



Product Catalog 2015

Fire Alarm Systems

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Abbreviations

The list below provides a brief explanation of various abbreviations used in this product guide.

ABIGA	= integrated operating unit for alarm systems	I/O	= input / output
Acc.	= according to	IP	= ingress protection rating
Approx.	= approximately	IR	= infrared
ATEX	= EU directive for explosive atmosphere	LAN	= local area network
BOSEC	= Belgian institute for the approval of fire alarm-related products	LCD	= liquid crystal display
BTS	= base transceiver station	LED	= light emitting diode
CNBOP	= Polish research and development center for fire protection	LF	= low frequency
DIBt	= German institute for technical approvals	LKM	= air duct detector
DIL	= dual in line	LPCB	= Loss Prevention Certification Board
DIN	= German institute for standardization	LRS	= high sensitivity aspiration detector
DIP	= dual in parallel	MCP	= manual call point
ECP	= extinguishing control panel	MFAB	= master box
EDP	= ESSER data protocol	MM	= micromodule
EMV	= electromagnetic compatibility	NC	= normally closed
EN	= European Norm	NO	= normally opened
EOL	= end of line	OTG	= optical, heat and gas
ESPA	= enhanced signaling protocol for alarm processes	PCB	= printed circuit board
Ex	= explosion proof / intrinsically safe	pcs.	= pieces
FACP	= fire alarm control panel	PL	= powered loop
FAS	= fire alarm system	PLC	= programmable logic control
FB	= fire brigade	PM	= delay and verify functions
FBF	= fire brigade panel	PTB	= national institute of natural and engineering sciences
FBOIU	= fire brigade operating and indicating unit	PU	= packaging unit
FCT	= fire control transponder (input/output module)	ROR	= rate-of-rise heat detector
FD	= fire detection	SEI	= serial essernet interface
FDS	= fire detection system	SHV	= smoke heat ventilation module
FIBS	= fire brigade operating system	SMD	= surface mounted technology
FO	= fiber optic	SL	= silent
FSA	= door release system	SOC	= switch-on control
GI	= galvanic isolated	SZI	= single zone indicator
HMI	= human machine interface	TAL	= technical alarm module
HU	= used for 19" rack, 1 HU = 44.45 mm	TM	= coincidence detection
		USB	= universal serial bus
		UV	= ultraviolet
		VDE	= association for electrical, electronic and information technologies
		VdS	= association of German property insurance companies
		VGA	= video graphics array
		VPP	= voltage peak-peak

Notice regarding the packing unit:



1. The item will only be sold in a packing unit.
2. The number of items, which have to be ordered, always refers to the number of packing units rather than the number of single items.
3. The price stated in the catalog is always the respective price for the packing unit. It is not the price for the single item.

Example item number 701040 (spare glass pane):

Packing unit: 10 items. An order of 3 items, for instance, would be equivalent to an order of 3 packing units.

This would correspond to 30 items of a spare glass pane, which have been ordered.

What happens if the phase-out date of a product is reached?

1. We guarantee to supply you for up to five years with all related components that are available and the legal regulations permit this.
2. Manufacturing-stop date is five years after the phase-out date. No matter whether we are able to manufacture the items, we will stop manufacturing them.
3. After stopping delivery, as far as it is possible for us, we will try to repair the product for another two years.
4. As long as stock is available, the products can be ordered further with the same part number, as far as this is legally permissible.
5. As soon as the products are no longer available in our main-warehouse, we supply you with products from our service and repair warehouse. These products are marked by a "K" number. In this case it can be a repaired product, however as good as new. Also here we must consider the actual legal regulations.

Symbols used



= List of contents which the part number includes



= Packing unit



= Information, important notice such as special versions, dependencies etc.



= Available starting on

IP type of protection

The type of protection indicates the suitability of electric operating materials (for example, devices, lights and installation material) against solid foreign objects and for various ambient conditions.

Levels of protection from contact and foreign bodies (first digit)

Digit	Protection from contact	Protection from foreign bodies
0	No protection	No protection
1	Protection from large-sized body parts (diameter 50 mm)	Large foreign bodies (diameter from 50 mm)
2	Finger protection (diameter 12 mm)	Medium-size foreign bodies (diameter from 12.5 mm)
3	Tools and wires (diameter from 2.5 mm)	Small foreign matter (diameter from 2.5 mm)
4	Tools and wires (diameter from 1 mm)	Granular foreign matter (diameter from 1 mm)
5 (K)	Wire protection (as IP 4) dust-protected	Dust accumulation
6 (K)	Wire protection (as IP 4) dust-proof	No ingress of dust

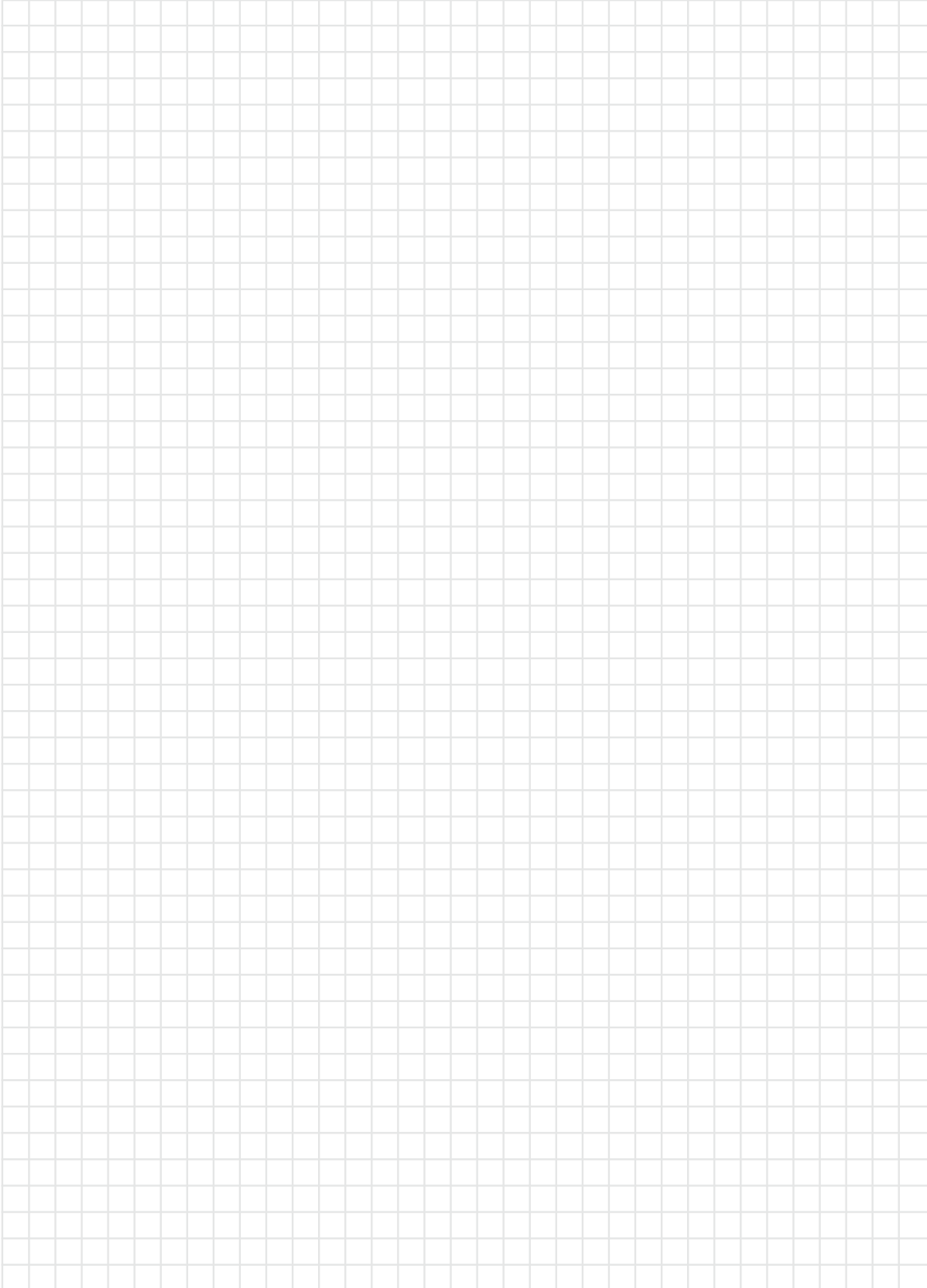
Levels of protection from water (second digit)

Digit	Protection from water
0	No protection
1	Protection from vertically dripping water
2	Protection from diagonally (15°) falling drip water
3	Protection from falling spray water up to 60°, against the vertical
4	Protection against splashing water
5	Protection from hose water (nozzle) from any angle
6	Protection from strong hose water (flooding)
7	Protection from temporary submersion
8	Protection from permanent submersion

Example:

IP64: Completely dust-proof – protected against splashing water – nearly leak-proof.

Notes





Small Control Panels

ES Line/Conventional

8-9

Compact/Single Loop Intelligent Addressable

10-11



Features

- 8 sensor groups with up to 30 sensors in each sensor group (conventional panel supports up to 240 conventional devices in total)
- Large LCD display with 8 rows x 40 characters
- Integrated sensor group single display
- Optimized commissioning, maintenance and operation
- Simple configuration and programming on the keypad
- Four relays, freely programmable, non-monitored, potential free, max. 30 V DC / 2 A or 60 V DC / 1 A
- 2 outputs for connecting acoustic or optical sounders according to EN 54-13 (29 V DC / max. 500 mA)
- 1 interface to a transmission unit for fire warnings (12 V DC / max. 200 mA)
- 1 interface to a transmission unit for fault warnings (12 V DC / max. 200 mA)
- 1 standard interface extinguisher for fire control system type C according to DIN EN 54-2
- RS485 for connecting to fire brigade operating panel and fire brigade display panel
- 1 output UBext 29 V / 0.5A, for power supply of external bus users
- 72 h emergency current bridge
- "Delay of relaying" function (PM operating mode according to DIN VDE 0833-2 for preventing false alarms, delay / verify)
- "2-detection dependency" function (TM operating mode according to DIN VDE 0833-2 for preventing false alarms), alternatively programmable as intermediate alarm storage or 2-zone dependency between the detector zones
- Operating panel with alphanumerical display
- Large LCD display with 8 rows x 40 characters
- Alarm counter for up to 10,000 trips
- Event memory for up to 10,000 events

Approval: G 212165

The ES Line is a compact but high-performance and professional fire alarm control panel for monitoring small facilities. It supports up to 8 conventional groups and has integrated detector group displays. It is programmed and operated easily via the large display. The sophisticated configuration concept is self-explanatory and enables fast commissioning without programming with a PC. Thus, the ES Line ensures high flexibility in the assignment of numerous input/output and control functions.

The ES Line is approved according to the relevant DIN EN 54 part 2, 4, 13 and VdS standards. The integrated RS485 interface allows the control of peripheral fire brigade equipment (FBF, FAT). Ideal for facilities like kindergartens, law firms, service providers, catering firms, handicraft firms, medical practices, pharmacies or retail shops.

To meet the standard requirements of monitoring the detector group inputs, the EOL-I terminal element (Part No. 808626) must be, for connected alarm sensors the EOL-O (Part No. 808624).

Technical Data

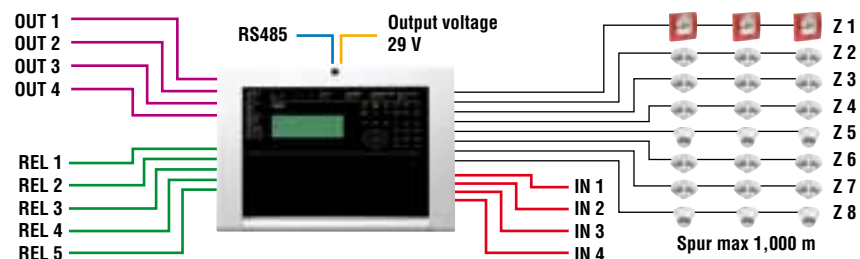
Rated voltage	230 V AC
Rated frequency	50 ... 60 Hz
Rated current	0.08 A
Battery capacity	max. 2 x 12 Ah
Ambient temperature	-5 °C ... 45 °C
Storage temperature	-5 °C ... 50 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 30
Housing	ABS, 10 % glass fiber reinforced, V-0
Color	gray, similar to Pantone 538
Weight	approx. 5 kg (without batteries)
Dimensions	W: 450 mm H: 320 mm D: 185 mm



Central control unit, complete with system software including installation material, installation, commissioning and operating manuals, operating book for BMA, but without batteries.

Accessories

804900	Conventional MCP electronic module
804901	Conventional MCP electronic module with 2nd microswitch
804970	Conventional MCP compact, small, with glass pane, red
804950	Conventional MCP electronic module
804951	Conventional MCP electronic module, with 2nd micro-switch
704477.10	MCP electronic module series 9000 with second micro-switch
761162	Fixed heat detector
761262	Rate-of-rise heat detector
761362	Optical smoke detector
803271	Rate-of-rise heat detector IQ8Quad w/o loop isolator
803371	Optical smoke detector IQ8Quad w/o loop isolator
803374	O ² T multisensor fire detector IQ8Quad w/o loop isolator
FX808382	Fire brigade operating panel serial FBF 2003-EDP protocol RS 485, German
FX808380	Fire brigade indicating panel FAT 3000-EDP protocol, German
FX808383	Fire brigade operating panel serial FBF 2003-EDP protocol RS 232, German
785078	Key box adapter SDA 3000
FX808460	Touchscreen operating unit, surface mount
FX808461.10	Touchscreen operating unit, cavity wall mount



Connection example

809041.01

FACP ES Line for 8 zones, German



With 8 detector zones, foil: German.

809041.02

FACP ES Line for 8 zones, English



With 8 detector zones, foil: English.

809041.08

FACP ES Line for 8 zones, Dutch



With 8 detector zones, foil: Dutch.

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Features

- Single loop panel (system supports up to 127 digital loop addresses in total)
- Integrated esserbus®-Plus
- Short circuit and open circuit tolerant loop operation with stub cable exits
- Operation of bus-supplied, synchronously controlled alarm generators (optical/acoustic/voice) in different alarm areas via esserbus-Plus powered loop technology
- Length of the loop circuit (esserbus) up to 3.5 km
- Up to 127 esserbus devices (fire detectors or manual call points)/group
- Up to 32 esserbus transponders
- Up to 30 IQ8Quad detectors with integrated signal generators
- Up to 20 IQ8Alarm signal generators
- Operation of ATEX approved detectors (intrinsically safe) for potentially explosive areas
- Optimized commissioning, maintenance and operation
- Easy configuration and programming of the FACP functions via display
- 4 relays, programmable, not monitored, potential-free, max. 30 V DC/2 A or 60 V DC/1 A
- 2 outputs for connection to acoustic and optical signal generators according to EN 54-13 (each 24 V DC/max. 500 mA)
- 1 interface to a transmission unit (TU) for fire alarm (12 V DC/max. 200 mA)
- 1 interface to a transmission unit (TU) for fault reports (12 V DC/max. 200 mA)
- 1 standard interface solution for fire control type C acc. DIN EN 54-2
- RS485 for connection of fire brigade control panel and fire brigade graphic annunciator
- 1 output UBext 24 V/0.5 A, for the voltage supply of external devices
- 72 hour emergency bypass (depending on configuration)
- Integrated detector groups individual display
- Function "delay the transmission" (according to DIN VDE 0833-2, to avoid false alarms, delay/investigate)
- Function "two-message dependency" (according to DIN VDE 0833-2, to avoid false alarms), alternatively programmable as alarm caching, multi-group dependence or multi-detector dependency
- Operating panel with alphanumerical display
- Large LCD display with 8 rows x 40 characters
- Alarm counter for up to 10,000 trips
- Event memory for up to 10,000 events

Approval: VdS

The Compact is a powerful, professional one loop circuit fire alarm control panel for monitoring small to medium sized premises with increased demands on reliability - redundancy through ring wiring. It allows simultaneous detection, control, and warning, both on the ring bus including stubs, as well as with the inputs and outputs built into the control panel, e.g. fire brigade interface, interface for fire control, outputs for conventional signal generators and other relays for individual controls.

The Compact has a short circuit and open circuit tolerant esserbus-Plus loop bus, on which up to 127 intelligent and individually addressable bus devices are supported.


Commissioning and configuration of customer-specific system data is with proven 8000 programming software tools.

The fire brigade peripherals (FBCP, FAT) or a remote control unit can be operated via the integrated RS485 interface.

Ideal for premises such as schools, kindergartens, nursing homes, doctors' offices, hardware stores, small hotels, shops, small businesses and manufacturing or retail.


Technical Data

Rated voltage	230 V AC
Rated frequency	50 ... 60 Hz
Rated current	0.08 A
Battery capacity	max. 2 x 12 V/12 Ah
Ambient temperature	-5 °C ... 45 °C
Storage temperature	-5 °C ... 50 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP30
Housing	ABS, 10 % glass fiber reinforced, V-0
Color	gray, similar to Pantone 538
Weight	approx. 5 kg (without batteries)
Dimensions	W: 450 mm H: 320 mm D: 185 mm
Declaration of Performance	DoP-21390140811

 The Compact is directly programmed with the 8000 programming software tools (Item No. 789861) via USB.

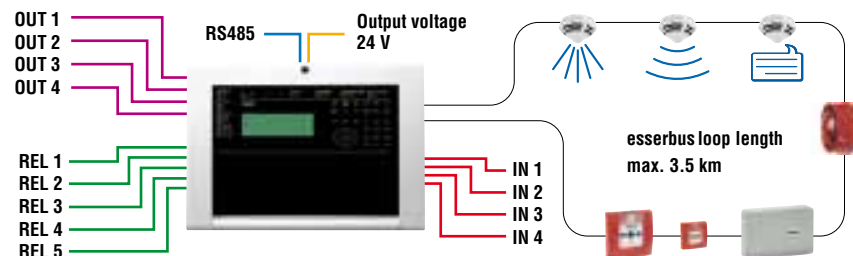
The integrated ring bus supports esserbus®/ esserbus®-Plus devices, but currently without IQ8Wireless radio technology (provided in later release).

The fire brigade peripheral (FBCP, FAT) FX808382, FX808380, FX808383 or the remote control station FX808460 or FX808461.10 is operated on the RS485.

 Central control unit, complete with system software including installation material, installation, commissioning and operating manuals, operating book for BMA, but without batteries.

Accessories

FX808382	fire brigade control panel serial FBF 2003-EDP-Protocol RS485
FX808380	fire brigade graphic annunciator FAT 3000-EDP-Protocol
FX808383	fire brigade control panel serial FBF 2003-EDP-Protocol RS232
785078	key depot adapter SDA 3000
FX808460	Touchscreen display and control unit (aP)
FX808461.10	Touchscreen display and control unit (uP)



Small Control Panels

Compact/Single Loop Intelligent Addressable

809051.01

NEW



FACP Compact, 1 loop, German

Fire alarm control panel Compact with German front foil.

809051.02

NEW



FACP Compact, 1 loop, English

Fire alarm control panel Compact with English front foil.

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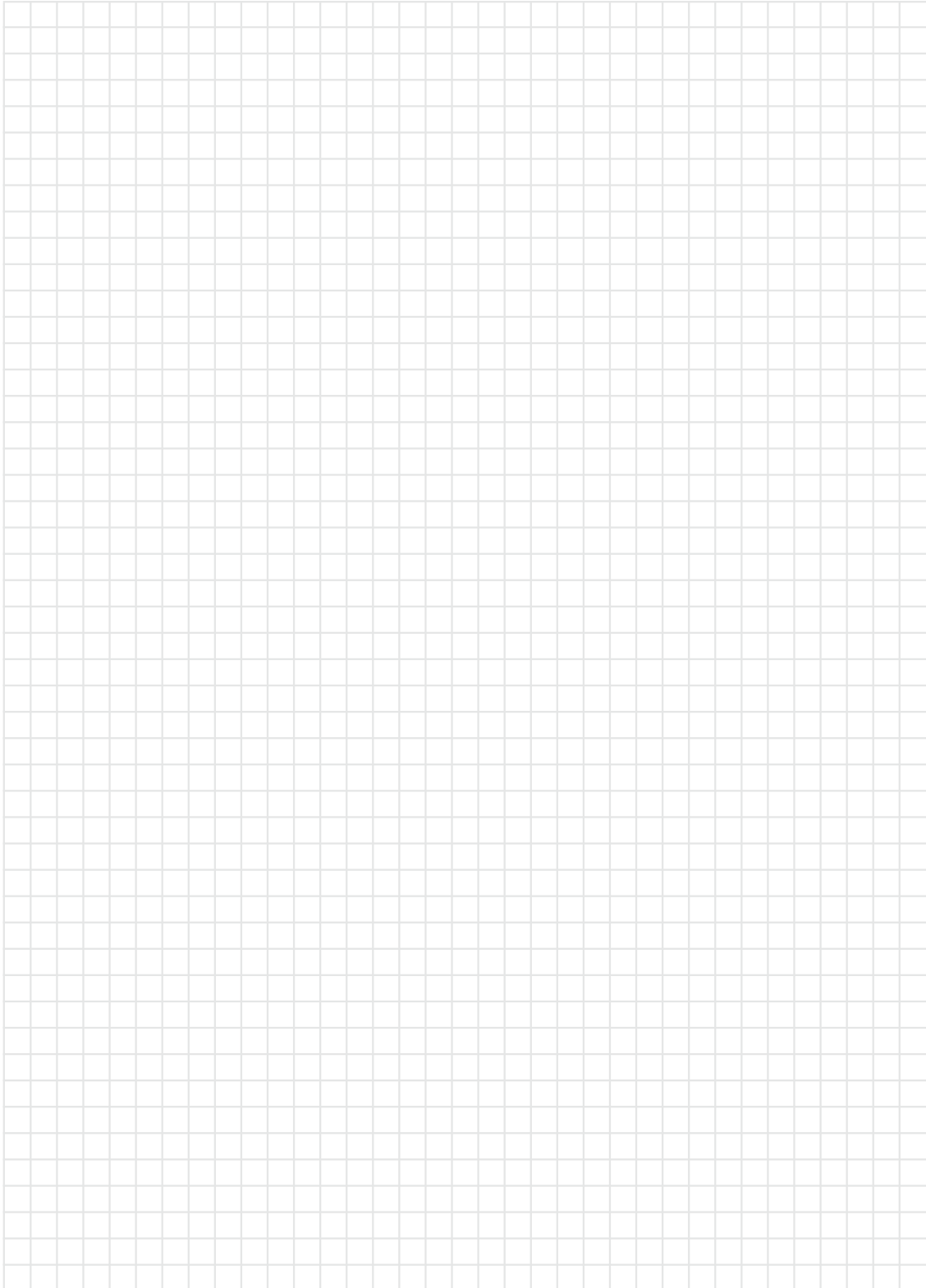
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Notes





IQ8Control Panels

IQ8Control C/Intelligent Addressable

14-18

IQ8Control M/Intelligent Addressable

19-21

Accessories

22-34

IQ8Control C/Intelligent Addressable

Features

- Max. two micromodules (system supports up to 254 digital loop addresses in total)
- Max. two esserbus analog loop modules
- Short circuit and open circuit resistant loop operation
- Loop installation with I-Y(ST)Y 0.8 mm cable for a maximum length of 3.5 km
- Up to 127 esserbus devices (fire detectors and/or manual call points)/detector zones per loop
- Up to 32 esserbus transponders per loop/operation of wireless components (see chapter 10)
- Operation types TM and PM as per DIN VDE 0833 - 2 to avoid unwanted alarms being triggered
- Fire brigade operating panel and alarm transmission unit interface on the peripheral module
- Three common relays, freely programmable, monitored, floating for up to 24 V DC/1A (on the peripheral module)
- TTY or RS 485, RS 232 interface
- Integration in the short circuit and open circuit resistant essernet network with up to 31 fire detection panels depends on transmission rate
- Connection to graphical supervisor FlexES Guard/WINMAG via serial essernet interface (SEI)
- Operating panel with alphanumerical display
- Large LCD display with 8 rows x 40 characters
- Event memory for up to 10,000 events
- All System 8000 micromodules are compatible
- Printer interface for internal printer
- Two batteries with monitoring circuit
- Monitored input for external power supply unit

Additional features for powered loop

- Max. 2 analog powered loop modules (System supports up to 254 digital loop addresses in total)
- BUS powered, synchronously controlled, acoustic alarm signaling devices as per DIN EN 54-3 with alarm tone as per DIN 33404
- Up to 48 powered loop base sounders (series 9200) per loop
- Up to 32 powered loop IQ8Alarm per loop
- Up to 48 IQ8Quad with alarm device per loop

Approval: VdS, CNBOP, BOSEC

VdS system authorization: S 294050

The IQ8Control C is an efficient fire alarm control panel for the property supervision of small to mid-sized objects facilitates simultaneous detection, control and alarm signaling both on the analog ring as well as on the spur.

Within the multi-functional IQ8Control C panel, the operation type (powered-loop or non-powered-loop) can be selected via a jumper located on the control panel power supply unit.

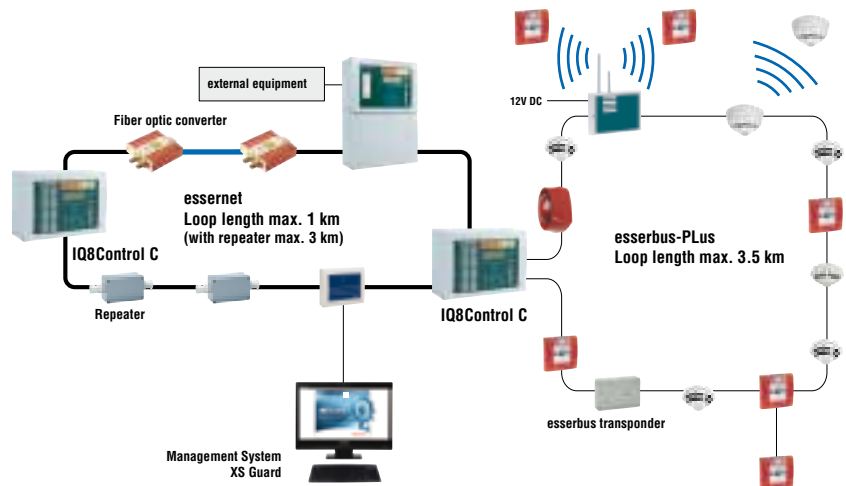
Depending on which loop operation type has been selected, the corresponding loop module/modules are required.

Technical Data

Rated voltage	230 V AC
Rated frequency	50 ... 60 Hz
Rated current	0.35 A (standard); 0.7 A (powered loop)
Quiescent current	approx. 215 mA (basic configuration without operating unit) approx. 230 mA (basic configuration with operating unit)
Current consumption for ext. devices	2 A
Battery capacity	2 x 12 Ah, 2 x 24 Ah in extension housing
Ambient temperature	-5 °C ... 45 °C
Storage temperature	-5 °C ... 50 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP30
Housing	ABS, 10 % glass fiber reinforced, V - 0
Color	gray similar to Pantone 538
Weight	approx. 6.5 kg
Dimensions	W: 450 mm H: 320 mm D: 185 mm
Declaration of Performance	DoP-20827130701

- The IQ8Control fire detection panels are fully compatible with FACP 8000 panels within essernet applications
- FACP 8000 micromodules are also compatible with IQ8Control devices
- Housing form and color comply with the FACP 8000 generation
- The IQ8Control panels can only be programmed with the tools 8000 software solution (Part No. 789861) and the field bus interface (Part No. 789862.10) or directly via USB with the RS-232 interface (Part No. 769828), with the field bus interface or the RS232 interface.

Combined with Part No. 808619.10 FSA transponder, the control panel can be used to control automatic door arrester systems in compliance with the German Institute for Construction Engineering (DIBt: Deutsches Institut für Bautechnik).



Connection example

Order Diagram FACP IQ8Control C/Intelligent Addressable

**1.
Choice of the
housing type**



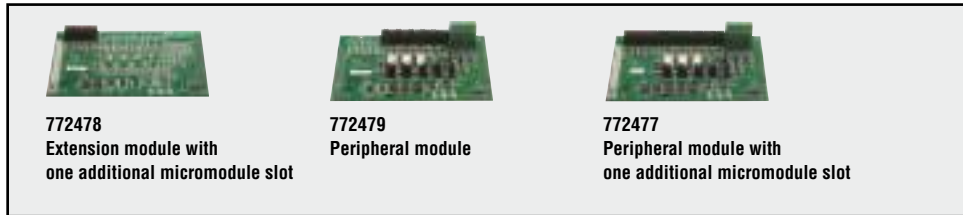
IQ8ControlC standard housing 808003

IQ8ControlC for 19" cabinet 808139

Slot for one micromodule as standard

**2.
Choice of the
control panel
modules**

(only 1 module at a time)



772478

Extension module with one additional micromodule slot

772479

Peripheral module

772477

Peripheral module with one additional micromodule slot

**3.
Choice of the
micromodules**



804382.D0

Analog loop module powered loop

784382.D0

Analog loop module

784385

Master box interface module

784840.10

essernet module 62.5kBd

787531

3-relay module

784842

RS 232/TTY serial interface module

787530

4-relay module

784841.10

essernet module 500kBd

787532

3-relay common fault module

**4.
Choice of the
operating
module front**

language codes available:

- 01 Germany
- 02 England
- 03 Italy
- 04 Portugal
- 05 Poland
- 06 Spain
- 07 Austria
- 08 Netherlands
- 09 Czech Republic
- 10 Russia
- 11 Hungary
- 12 Denmark
- 13 Sweden
- 14 Croatia
- 15 France
- 16 Slovakia
- 17 Switzerland / French
- 18 Romania
- 19 Slovene
- 20 Turkey
- 21 Greek
- 22 Flemish
- 23 Walloon
- 25 Arabic / English



7860

Operating front

7861

Operating front w. SZI f. 64 detector zones

7864

Operating front with 1/4 VGA display

7865

Operating front w. 1/4 VGA display & SZI for 64 zones

786000

SZI front for 192 detector zones

786100

Filler panel front, neutral for IQ8Control C/M

788093

19" rack mounting kit for SZI 192 detector zones

All operating fronts, except SZI 192 detector zones are suitable for both housing types

*Space for only 1 battery **Requires an additional extension housing

**5.
Choice of a
extension housing
(optional)**



789300

Battery extension housing

789302

Extension housing for SZI 192 detector zones

789301

Extension housing for batteries and SZI 192 detector zones

Please notice the available control panel packages !


FACP IQ8Control C Standard and for 19" Racks


808003

FACP IQ8Control C



Basic design.

 The operating front must be ordered separately and is not included in the price.


 Housing with standard rear panel and front frame for operating panel fronts, interface board, power supply module, system software.


808139

FACP IQ8Control C for 19" rack



Same as 808003, but 19" version (7 HU) for rack installation.

 The operating front must be ordered separately and is not included in the price.

 FACP 808003 IQ8Control C, including 19" installation frame and flat cable for 19" installation.

Accessories for FACP IQ8Control C

789300


Battery extension housing




Extension housing for additional batteries.

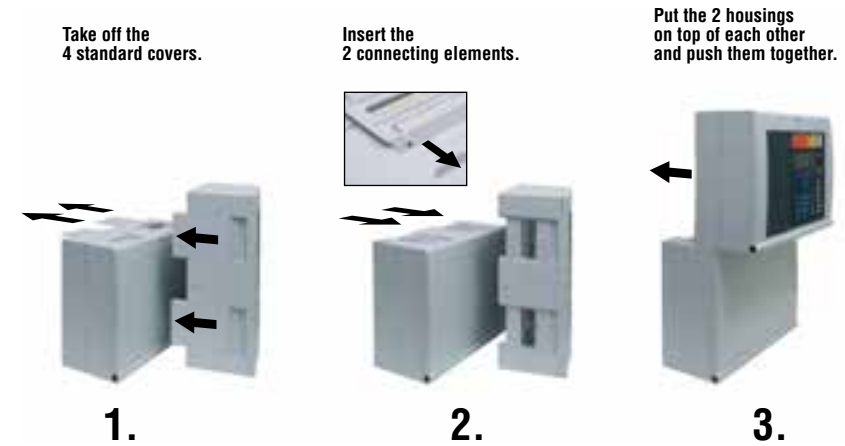
Technical Data

Ambient temperature	-5 °C ... 45 °C
Storage temperature	-10 °C ... 50 °C
Type of protection	IP 30
Housing	ABS, 10% glass fiber reinforced, V - 0
Weight	approx. 5 kg (without battery)
Dimensions	W: 450 mm H: 320 mm D: 185 mm

 Batteries are not included and must be ordered separately.

 Housing complete with battery rear panel, connecting cable for battery, mounting positions for two 12 V/ 24 Ah batteries. Neutral front and material for attaching to the existing panel housing, battery connecting cables, 800 mm.

Assembling the housing parts



Connection between the central housing and the extension housing


789301


Extension housing for batteries with 192 detector zones



Technical Data

Quiescent current	approx. 5 mA
Current consumption	1.5 mA when LED activated
Ambient temperature	-5 °C ... 45 °C
Type of protection	IP 30
Housing	ABS, 10% glass fiber reinforced, V - 0
Color	gray similar to Pantone 538
Weight	approx. 5.5 kg (without battery)
Dimensions	W: 450 mm H: 320 mm D: 185 mm

 This housing cannot be used if an operating module front with single zone indicator unit for 64 zones is already fitted. Batteries are not included and must be ordered separately. A single zone indicator unit can only be used in connection with an operating module front.

 Housing complete with battery rear panel, connecting cable for batteries, mounting positions for two 12 V/24 Ah batteries, single zone indicator front for 192 detector zones and material for attaching to the existing panel housing.

789302

Extension housing for SZI 192 detector zones IQ8Control



The housing can be used to mount additional modules, e.g. an esserbus transponder.

Technical Data

Quiescent current	approx. 5 mA
Current consumption	1.5 mA when LED activated
Ambient temperature	-5 °C ... 45 °C
Type of protection	IP 30
Housing	ABS, 10% glass fiber reinforced, V - 0
Color	gray similar to Pantone 538
Weight	approx. 5 kg
Dimensions	W: 450 mm H: 320 mm D: 185 mm



This housing cannot be used if an operating module front with single zone indicator unit for 64 zones is already fitted. A SZI unit can only be used in combination with an operating module front.



Housing complete with standard rear panel, single zone indicator front for 192 detector zones and material for attaching to the existing panel housing.

IQ8Control M/Intelligent Addressable

Features

- Max. five micromodules, with peripheral module Part No. 772477, up to five esserbus analog loop modules (system supports up to 635 digital loop addresses in total)
- Max. seven micromodules, with extension module Part No. 772476, up to seven esserbus analog loop modules (system supports up to 889 digital loop addresses in total)
- Short circuit and open circuit tolerant loop operation
- Loop installation with I-Y(ST)Y 0.8 mm cable for a maximum length of 3.5 km
- Up to 127 esserbus devices (fire detectors and/or manual call points)/detector zones per loop
- Up to 32 esserbus transponders per loop/operation of wireless components (see chapter 10)
- Operation types TM and PM as per DIN VDE 0833 - 2 to avoid unwanted alarms being triggered
- Fire brigade operating panel and transmission interface on the peripheral module
- Three common relays, freely programmable, monitored, floating for up to 30 V DC/1A (on the peripheral module)
- TTY or RS 485 or RS 232 interface
- Integration in the short circuit and open circuit resistant essernet network with up to 31 fire detection panels depends on transmission rate
- Connection to graphical supervisor WINMAG via serial essernet interface (SEI)
- Operating panel with alphanumerical display
- Large LCD display with 8 rows x 40 characters
- Event memory for up to 10,000 events
- All Systems 8000 micromodules are compatible
- Printer interface for internal printer
- Two batteries with monitoring circuit
- Monitored input for external power supply unit

Additional features for powered loop

- Max. 6 analog powered loops and expandable up to 127 loop devices (per loop) in mixed mode / loop powered and non-loop powered (system supports up to 762 digital loop addresses in total)
- esserbus PPlus (Powered Loop) supplied, synchronously controlled, acoustic alarm signaling devices as per DIN EN 54 - 3 with alarm tone as per DIN 33404
- Up to 48 powered loop base sounders (series 9200) per loop
- Up to 32 powered loop IQ8Alarm per loop
- Up to 48 IQ8Quad with alarm device per loop

Approval: VdS, CNBOP, BOSEC

VdS system authorization: S 294050

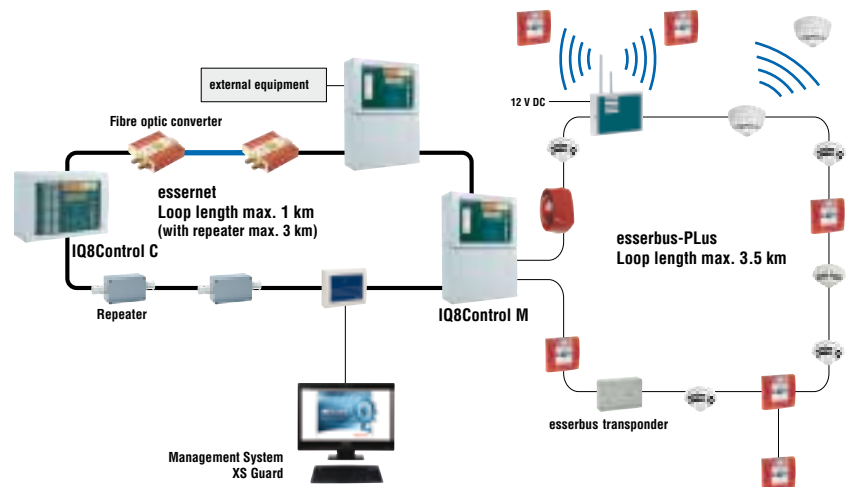
The IQ8Control M as an efficient fire alarm control panel (FACP) for the property supervision of mid-sized to large objects, facilitates simultaneous detection, control and alarm signaling both on the analog ring as well as on the spur. The loop operation type of the panel (powered-loop or non-powered-loop) can be selected via a jumper located on the power supply card. Depending on which loop operation type has been selected, the corresponding analog module/modules should be used.

Technical Data

Rated voltage	230 V AC
Rated frequency	50 ... 60 Hz
Rated current	0.35 A (standard); 0.7 A (powered loop)
Output voltage	12 V DC
Quiescent current	approx. 215 mA (basic configuration without operating unit) approx. 230 mA (basic configuration with operating unit)
Current consumption for ext. devices	2 A
Battery capacity	max. 2 x 12 V/24 Ah
Ambient temperature	-5 °C ... 45 °C
Storage temperature	-10 °C ... 50 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP30
Housing	ABS, 10 % glass fiber reinforced, V - 0
Color	gray similar to Pantone 538
Weight	approx. 11.5 kg
Dimensions	W: 450 mm H: 640 mm D: 185 mm
Declaration of Performance	DoP-20827130701

- The IQ8Control fire detection panels are fully compatible with FACP 8000 panels within essernet applications
- FACP 8000 micromodules are also compatible with IQ8Control devices
- Housing form and color comply with the FACP 8000 generation
- The IQ8Control panels can only be programmed with the tools 8000 software solution (Part No. 789861) and the field bus interface (Part No. 789862.10) or directly via USB with the RS-232 interface (Part No. 769828), with the field bus interface or the RS232 interface.

Combined with 808619.10 FSA transponders, the control panel can be used to control automatic door arrester systems in compliance with the German Institute for Construction Engineering (DIBt: Deutsches Institut für Bautechnik).



Application example

Order Diagram FACP IQ8Control M/Intelligent Addressable

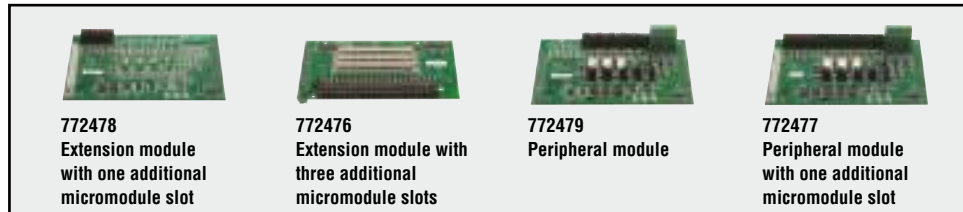
**1.
Choice of the
housing type**



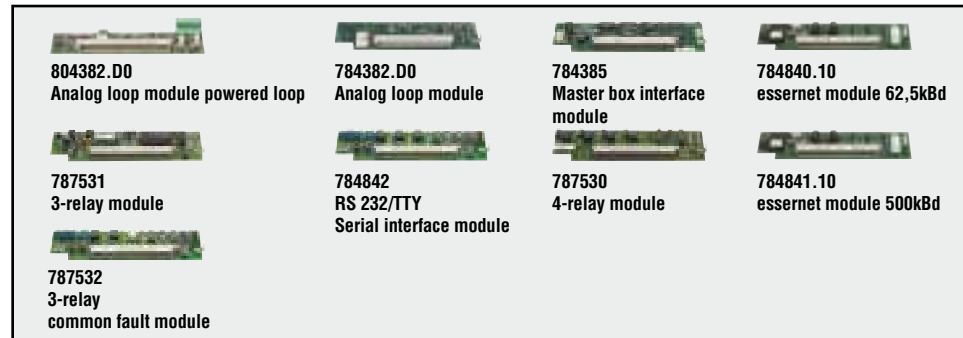
Slot for one micromodule as standard

**2.
Choice of the
control panel
modules**

- 2 Extension modules or
- 1 Extension module +
- 1 Peripheral module



**3.
Choice of the
micromodules**



**4.
Choice
of the
operating front**

language codes available:

- 01 Germany
- 02 England
- 03 Italy
- 04 Portugal
- 05 Poland
- 06 Spain
- 07 Austria
- 08 Netherlands
- 09 Czech Republic
- 10 Russia
- 11 Hungary
- 12 Denmark
- 13 Sweden
- 14 Croatia
- 15 France
- 16 Slovakia
- 17 Switzerland / French
- 18 Romania
- 19 Slovenia
- 20 Turkey
- 21 Greece
- 22 Belgium / Flemish
- 23 Belgium / Walloon
- 25 Arabic / English
- 27 Serbian
- 52 Chinese
- 53 Chinese function



All operating fronts, except SZI 192 detector zones are suitable for both housing types
*Requires an additional extension housing

**5.
Choice of an
extension housing
(optional)**



Please note the control panel packages available!



FACP IQ8Control M Standard and for 19" Racks

808004



FACP IQ8Control M

Basic design.



-  The operating front must be ordered separately and is not included in the price.
-  Housing with rear panel and front frame for operating panel fronts, neutral front, interface board, power supply module and system software.

808219



FACP IQ8Control M for 19" rack

As 808004 but 19" version (7 HU) for rack installation.

-  The operating front must be ordered separately and is not included in the price.
-  FACP IQ8Control M 808004, including 19" mounting frame and flat cable for 19" installation.

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Operating Fronts for IQ8Control C/M

Features

- alphanumerical display
- Large LCD display with 8 rows x 40 characters or 1/4-VGA-display

ESSER - front (Part No. 786001, 786101, 786301, 786401, 786501, 786801 and 786901) is also available with the respective country specification - except the special versions. When ordering, please fill in the last two digits with the specific language code.
(Not all variants are available in all languages. Please contact your sales representative for details)

Example:

The German version of the standard operating front C/M would have the Part No. 7860-01.
For the Dutch version, the number would have to be changed to Part No. 7860-08.

Specific language code:

01 German	14 Croatian
02 English	15 French (France)
03 Italian	16 Slovakian
04 Portuguese	17 French (Switzerland)
05 Polish	18 Romanian
06 Spanish	19 Slovenian
07 German (Austria)	20 Turkish
08 Dutch	21 Greek
09 Czech	22 Flemish (Belgium/Dutch)
10 Russian	23 Walloon (Belgium/French)
11 Hungarian	25 Arabic/English
12 Danish	27 Serbian
13 Swedish	52 Chinese
13 Swedish	53 Chinese with country functionality

786001



Operating front, German

Technical Data

Quiescent current approx. 45 mA

786101



Operating front with SZI 64, German

Technical Data

Quiescent current approx. 50 mA
Current consumption single zone indication: per activated LED 1.5 mA

786401


Operating front with 1/4 VGA display, German



Two-line additional text can be programmed using the programming software package.

Technical Data

Quiescent current	approx. 170 mA
Resolution	320 x 240 pixels

 Remote diagnosis is not possible if a two-line extra text is programmed.

Phase out date: 13.11.2013

786501


Operating front with 1/4 VGA display and SZI 64, German



Two-line additional text can be programmed using the programming software package.

Technical Data

Quiescent current	approx. 170 mA
Current consumption	single zone indication: per activated LED 1.5mA
Resolution	320 x 240 pixels

 Remote diagnosis is not possible if a two-line extra text is programmed.

Phase out date: 13.11.2013


786000

SZI front for 192 detector zones



Technical Data

Quiescent current	approx. 5 mA
Current consumption	single zone indication: per actuated LED 1.5mA

 Including insertable foils with country-specific version.

786100

Filler panel front, neutral




788093

19" rack mounting kit for SZI 192 detector zones

7 HU for upright cabinet mounting.

Technical Data

Quiescent current	approx. 5 mA
Current consumption	1.5 mA per actuated LED

 772445 Mounting frame
786000 SZI front for 192 detector zones, including insertable foils with country-specific version

Control Panel Modules for IQ8Control C/M

772479


Peripheral module



The peripheral module contains a fire brigade operating panel interface as well as an alarm transmission unit interface and three freely programmable, optionally monitored or up to 30 V DC floating common relays. The peripheral module can only be used on system terminal 1 of the control panel interface board.

Technical Data

Quiescent current approx. 15 mA

 Only one (Part No. 772477/78/79) module can be plugged onto the interface board.

772477


Peripheral module with 1 additional micromodule slot



Same as 772479 but with one additional micromodule slot. The peripheral module can only be used on system terminal 1 of the control panel interface board.

Technical Data

Quiescent current approx. 15 mA (without micromodule)

 Only one (Part No. 772477/78/79) module can be plugged onto the basic module.

772478


Extension module with 1 additional micromodule slot



The extension module is plugged onto the interface board of the control panel. The extension module can only be used on system terminal 1 of the control panel interface board.

Technical Data

Quiescent current approx. 5 mA (without micromodule)

 Only one (Part No. 772477/78/79) module can be plugged onto the interface board.

772476


Extension module with 3 additional micromodule slots



The extension module is plugged onto the interface board of the control panel. This extension module can be used on plug connectors 1 and 2 of the basic control panel module.

Technical Data

Quiescent current approx. 5 mA (without micromodule)

 The (Part No. 772476) extension module can only be used in the IQ8Control FACP.

Micromodules for IQ8Control C/M

784382.D0

**Analog loop module**

Single loop circuit module for up to 127 series 9200/IQ8 Quad intelligent fire detectors or bus devices, divisible into 127 zones.

Technical Data

Quiescent current approx. 25 mA


804382.D0

**Analog loop module powered loop (PL)**

Single loop circuit module for up to 127 bus devices, and esserbus-PLus (powered loop) devices according to the load factor. Series 9200/IQ8 Quad intelligent fire detectors and esserbus transponders (Part No. 80xxxx) or addressable sounders and powered loop base sounders.

Technical Data

Quiescent current approx. 25 mA

 Powered loop compatible only with IQ8Control and FlexES.

784385

**Master box interface module**

Single master box interface module for activating and processing acknowledgement signals from master boxes; programmable as constant or pulsed master box activation.

Technical Data

Quiescent current approx. 15 mA

784842

**RS 232/TTY serial interface module**

Serial interface module with optional RS 232 or TTY type, for operating external devices such as external printers, printers, modems for remote diagnosis.

Technical Data

Quiescent current approx. 35 mA (RS 232)
approx. 55 mA (TTY)

787530

**4-relay module**

4-relay module with freely programmable output functions, each of which can operate as an NC or NO contact (not monitored) for potential-free activation.

Technical Data

Quiescent current approx. 10 mA
Contact load relay max. 30 V DC/1 A

787531

**3-relay module**

3-relay module with output functions which can be programmed either as NC or NO contacts, 3 x latching "monitored" relay outputs.

Technical Data

Quiescent current approx. 5 mA
Contact load relay max. 30 V DC/1 A

787532

**3-relay common fault module**

3-relay module with pre-set functions such as common fault, 2 x freely programmable monitored relay outputs.

Technical Data

Quiescent current approx. 15 mA
Contact load relay max. 30 V DC/1 A

785087

MKS multi criteria transmitter



The interface can be connected only to IQ8Control panels (Index G or higher) and provides 16 potential-free relay contacts. Connected to the panel with a ribbon cable.

Technical Data

Operating voltage	12 ... 30 V DC
Quiescent current @ 12 V DC	approx. 8 mA
Alarm current @ 12 V DC	approx. 8.5 mA (+ 17.5 mA pro aktivem Relais)
Contact load relay	max. 30 V DC / 2A
Ambient temperature	-10 °C ... 50 °C
Storage temperature	-25 °C ... 75 °C
Weight	approx. 170 g
Cable length	20 m
Dimensions	W: 160 mm H: 120 mm D: 20 mm

Accessories for IQ8Control C/M

736235

**Printer paper for printer 736233/736234/784892, IQ8Control C/M**

Printer paper for (Part No. 736233) printer without paper take-up reel and for (Part No. 736234) printer with take-up reel.

Technical Data

Dimensions L: 2500 mm W: 58 mm

736264

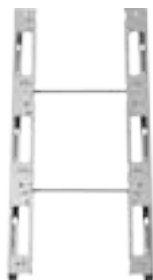
**Printer paper for printer 736259/784882, IQ8Control C/M**

For printers (Part No. 736259/736259/784882) with paper take-up reel.

Technical Data

Dimensions L: 2500 mm W: 60 mm

744444

NEW**Supporting rails for wall mounting**

Assembly and supporting frame for wall mounting of fire alarm control panels IQ8Control, ES Line, Compact and FlexES Control with three respective housing parts. Easy alignment and fastening to a supporting wall by means of horizontal spacing struts, which can be removed after installation in order to simplify the cabling behind the housings. Cabling can be led along the side as cable and installation ducts behind the FACP with additional cable entrances.

The FACP housing and frame are fastened to each other with metric screws.

The arrangement of the cage nuts corresponds to the attachment points for IQ8Control, ES Line, Compact and FlexES Control.



- 1 x Traverse left
- 1 x Traverse right
- 2 x Spacing struts
- 12 x Cage nuts

789303

Extension housing for IQ8Control and FlexES Control



Features

- For the installation of up to 6 transponders and FO converters with installation kit (Part No. 788605).

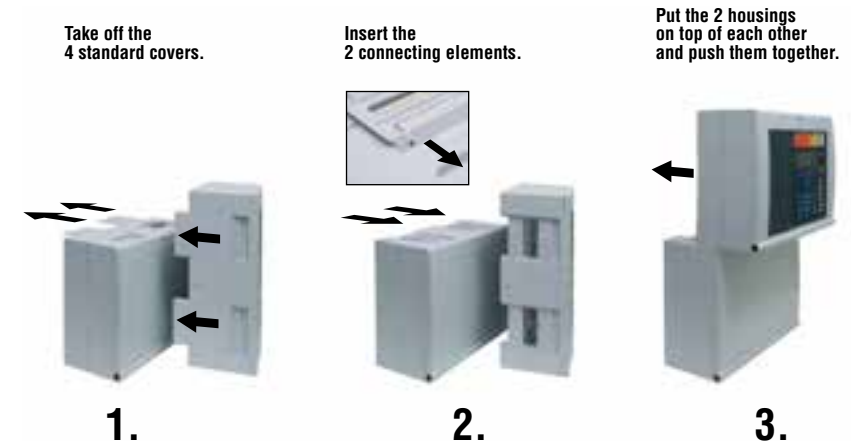
The standard extension housing can be used to mount additional modules, e.g. esserbus transponders.

Technical Data

Ambient temperature	-5 °C ... 45 °C
Storage temperature	-10 °C ... 50 °C
Type of protection	IP30
Housing	ABS plastic, 10% glass fiber reinforced, V - 0
Color	gray similar to Pantone 538
Weight	approx. 5 kg
Dimensions	W: 450 mm H: 320 mm D: 185 mm

Housing complete with standard rear panel, neutral front and material for attaching to the existing control panel housing.

Assembling the housing parts



Connection between the central housing and the extension housing

FX808338

NEW

Expansion housing with 2 DIN rails

Control panel expansion housing with 2 DIN rails for inserting essernet switches, fiber optic converters, couplers in cap rail enclosures etc.
For application-oriented completion and expansion of fire alarm systems.

772445

Mounting frame 19" rack for IQ8Control C/M



Includes installation material

Mounting frame with 6 HU for mounting of operating front and printer.

768317

Metal housing for FACP IQ8Control M and FlexES, red



Technical Data


Type of protection	IP30
Material	metal sheet
Color	red, similar to RAL 3020 (Pantone 485)
Weight	approx. 12 kg
Dimensions	W: 455 mm H: 645 mm D: 185 mm

804880.10

Kit DCF77 radio time module for IQ8Control



Used in conjunction with the Kit DCF77 allows radio reception of the DCF77 time signal (CET and CEST time). The DCF77 time signal is sent from a German central transmission point in Frankfurt/Main and Mainflingen and can be received at a distance of up to approx. 2,000 km. By connecting the Kit DCF77 to the fire alarm system IQ8Control, the system time will be automatically set to this time signal. This applies to stand-alone FACP.

 Each FACP or essernet network must only be connected to a single DCF77 time master.

769163


Upright cabinet IQ8Control




With full view glass and swiveling lever lock (PHZ) for housing of the System 8000 and IQ8Control in 19" rack. Cabinet with welded 100 mm base, with drill holes for floor installation. Removable rear and side walls, cable inlet in top with bristles and cover plate. 40 HU hinged frame for integration of operating unit and facing with dummy plates.

Technical Data

Weight	approx. 150 kg
Dimensions	W: 800 mm H: 2000 mm D: 600 mm

 Upright cabinet not suitable for the releasing control equipment 788014, 788015, 788024, 788025.

 Incl. 1 x 584925 door contact

769164

Upright cabinet IQ8Control incl. mounting


Same as 769163, but completely premounted at the factory for integrating a fire alarm control panel.

743212

Spare keys (No. 1D009)



To lock and unlock the HMI of fire alarm panels 2214, 3004, 3006, 3007, 3008, extinguishing panel 4908 and 8010, LCD tableau 4750 and upright cabinets (Part No. 769163 and 769164).


 Two keys.

743245

Lever lock with 2 keys (No. 801)



To lock and unlock the HMI, housing and printer frame respectively of fire alarm panels 2001, 3002, 8007, 8008, 8000 C/M and IQ8Control C/M.


 Two keys and one cylinder lock.

769914

Spare keys (No. 801)



For HMI, housing and printer frame respectively of fire alarm panels 2001, 3002, 8007, 8008, 8000 C/M and IQ8Control C/M.

 Two keys.

743248

Lever lock with 2 keys (No. 901)



To lock and unlock the HMI, housing and printer frame respectively of fire alarm panels 2001, 8007, 8008, 8000 C/M, IQ8Control C/M, FlexES and extinguishing panel 8010.



Two keys and one cylinder lock.

769915

Spare keys (No. 901)



For HMI, housing and printer frame respectively of fire alarm panels 2001, 8007, 8008, 8000 C/M, IQ8Control C/M, FlexES and extinguishing panel 8010.



Two keys.

744030

Dummy cover 19", 2 HU



For covering free installation space in upright cabinets and wallmount cabinets, 2 HU.

Technical Data

Material	sheet steel
Color	gray similar to Pantone 538



One height unit (HU) covers 44.45 mm.

744027

Dummy cover 19", 3 HU



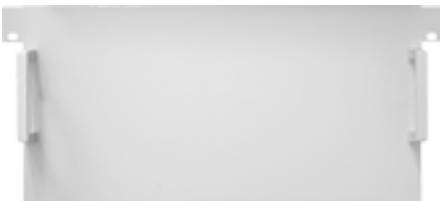
Same as 744030, but 3 HU.

Technical Data

Color	gray similar to Pantone 538
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744028

Dummy cover 19", 5 HU



Same as 744030, but 5 HU.

744029

Dummy cover 19", 9 HU



Same as 744030, but 9 HU.

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Maintenance and Test Equipment

789861



Programming software tools 8000

Convenient Windows programming software CD for programming the fire alarm panels belonging in series 8000 C/M, 8008, IQ8Control, FlexES Control, Gateway and extended supplementary text in ¼ VGA display.

Available Languages:

Czech, Danish, English, French, German, Hungarian, Italian, Slovakian, Spanish, Polish, Portuguese, Romanian and Russian.

Features

One software for all panels:

- Start-up
- Programming
- Loop diagnosis
- Maintenance software

For programming, the (Part No. 789862.10) field bus interface is required.



- FACP 8000 C/M, FACP 8008, IQ8Control C/M, FlexES Control or ECP 8010 as of software version V2.20
- PC/Notebook as of Windows XP, but no Windows NT (no USB support)
- Recommended configuration: 512 MB RAM, 500 MHz CPU
- This software is also used for the LCD panels 7851xx

789860.10



Starter kit equipment PPlus with programming software tools 8000

Complete package for programming the FACP 8007, 8000 C/M, 8008, Gateway, ABIGA IQ8Control and FlexES Control via PC or Notebook.



The field bus interface is used as a programming interface between the FACP and the PC/notebook.

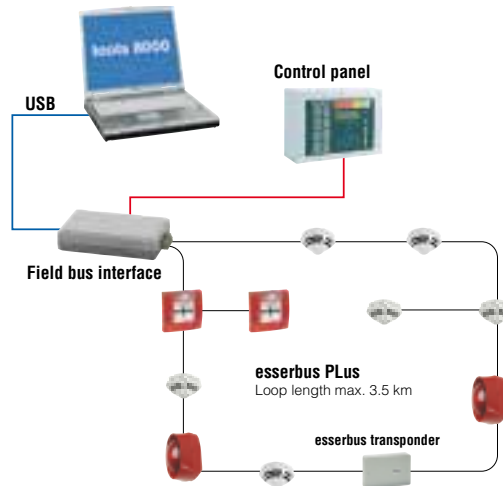
Furthermore, the field bus interface facilitates the direct connection of a ring bus to the convenient monitoring of a finished installation and the elimination of possible cabling mistakes.



- 789861 Programming software for System 8000 and IQ8Control
- 789862.10 Field bus and control panel interface PPlus
- 789863 USB cable
- 789864 Serial connecting cable

Accessories

- BME2Z002 Switched-mode power supply with cylindrical plug
- 789866 USB programming cable for extinguishing panel 8010



Application example

789862.10




Field bus interface Plus


Interface for the programming of the FACP 8007, 8000 C/M, 8008, gateway, ABIGA and IQ8Control or for the direct field-side connection of a single installed analog loop. With the optional switched-mode power supply (Part No. BME2Z002), bus-supplied alarm signaling equipment can be tested independently from the control panel via the direct connection to the field bus interface (Part No. 789862.10). (V1.12 or above of programming software tools 8000 is required)

Technical Data

Ambient temperature	5 °C ... 45 °C
Storage temperature	0 °C ... 50 °C
Type of protection	IP 40
Housing	plastic, PS (Polystyrene)
Color	white, similar to RAL 9010 / gray, similar to RAL 7035
Weight	approx. 300 g
Dimensions	W: 68 mm H: 30 mm D: 135 mm

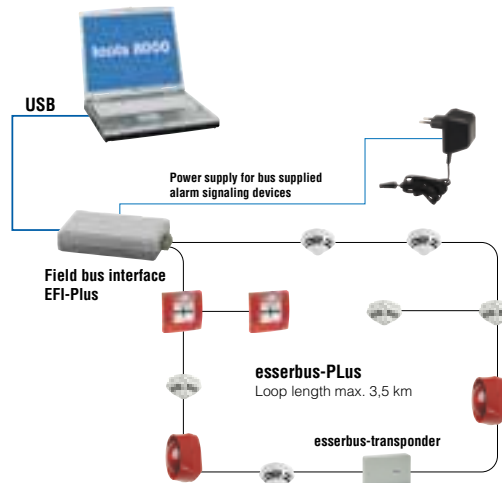
 Connecting cables (Part No. 789863 and 789864) are not included in delivery.

Windows NT does not support any USB interface. Therefore the use of the programming software tools 8000 is possible under Windows NT only with the usage of programming interface RS 232 (Part No. 769828).

 One interface and two 6-pin plugs.

Accessories

BME2Z002 Switched-mode power supply with cylindrical plug



Application example

789863



USB cable A/B for 789862.10 field bus and panel interface

For connecting service PC/laptop with the tools 8000 field bus and panel interface.

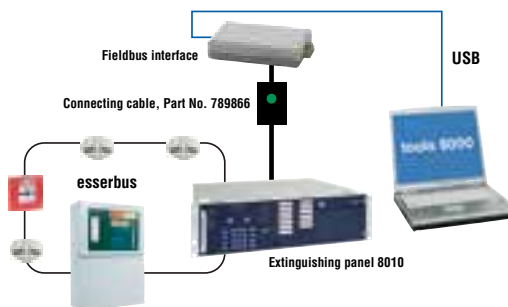
Technical Data

Cable length	1.8 m
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789866

USB programming cable for ECP 8010

Connecting lead for programming the extinguishing control panel 8010.



789864

Serial connecting cable for 789862.10

For connecting the field bus interface to panels 8007, 8000 C/M, 8008, Gateway, ABIGA and IQ8Control. With 4-pin special plug for the control panel.



Technical Data

Cable length	1.9 m
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BME2Z002

Switched-mode power supply with cylindrical plug



Technical Data

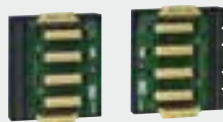
Output voltage	12 V DC
Output current	1 A



FlexES Control Panels

FlexES Control/Intelligent Addressable	36-42
Power Supply Extension	43-46
Extension Modules	47
19" Rack/Intelligent Addressable	48-54
Modules for FlexES System	55-56
Accessories FlexES Control	57-58

Order Procedure of FACP FlexES Control Standard/Intelligent Addressable



1. Basic hardware configuration incl. software license

	Hardware	Software license
FX808392	FlexES Control FX2	- 2 loops
FX808393	FlexES Control FX10	- 5 loops
FX808394	FlexES Control FX10	- 10 loops
FX808395	FlexES Control FX18	- 5 loops
FX808396	FlexES Control FX18	- 10 loops
FX808397	FlexES Control FX18	- 18 loops

Basic configuration consisting of:

- 1 x Power supply module
- 1 x PS connection module
- 1 x Rear panel for FX2 (3 x for FX10, FX18)
- 1 x Control module
- 1 x Housing frame for FX2 (3 x for FX10, FX18)
- 1 x Base module carrier
- 2 x Neutral front (for FX10, FX18)

2. Additional Components:

- FX808324 Display and operating unit
5.7" display*
- FX808325 Neutral front
- FX8084xx Labeling set*
- FX808328.RE Redundant control module

3. Extension module carriers:

- FX808322 Extension module carrier 1
with 4 module slots (max. 2 pcs.)
- FX808323 Extension module carrier 2
with 4 module slots (max. 2 pcs.)

4. Modules:

- FX808331 esserbus/esserbus-PLus module, loop 1 - 4
- FX808332 esserbus/esserbus-PLus module GI, loop 5 - 18
- FX808340 essernet module 62.5 kBd
- FX808341 essernet module 500 kBd

* The labeling sets for HMIs are available in different languages.
Please indicate the correct part number in the order form

FlexES Control/Intelligent Addressable

FlexES Control FX2

FX808392

FACP FlexES Control FX2 (2 loops)



Features

- Combinable loop/spur technology with decentralized intelligence
- Freely configurable functionality of modules
- 4 free programmable potential free contacts and 1 output for alarm transmission unit (ATU)
- Increased availability via emergency mode function of the loop modules
- Emergency mode for monitored areas up to 48,000 m² or more than 512 fire detectors acc. to the German Planning standard VDE 0833 and/or VdS 2095
- USB, RS 485, TTY interfaces onboard
- Direct output of the proprietary EDP communications protocol (Data Protocol) via interface RS 485
- Operation of loop-powered alarm signaling devices (optical/acoustic/voice) in different alarm zones via esserbus-PLus
- Cascadable power supply to 450 W according to EN 54-4
- Loop length up to 3.5 km (esserbus)
- Operation of different input/output gateways
- Integrated interfaces for operation of required fire brigade periphery, e.g. fire brigade indicating panel, fire brigade operating unit
- Event memory with 10,000 entries
- Operation of VdS-approved wireless components with convenient field intensity measurement
- Parameterization, calibration and programming directly via USB
- Galvanic isolation of analog loops possible
- Up to 1,000 control zones

In connection with display and operating unit (Part No. FX808324)

- Display and operating unit with 5.7" TFT display
- Capacitive keyboard for touch-sensitive operation
- Program-controlled night design with interactive keyboard menu

Additional features for powered loop

- BUS supplied, synchronously controlled, acoustic alarm signaling devices as per DIN EN 54 - 3 with alarm tone as per DIN 33404
- Up to 48 powered loop base sounders (series 9200) per loop
- Up to 32 powered loop IQ8Alarm per loop
- Up to 48 IQ8Quad with alarm device per loop

Approval: VdS, CNBOP
VdS system authorization: S 209207

Basic set for assembly of a FACP with module slots and software support of 2 modules.

Technical Data

Rated voltage	230 V AC
Rated frequency	50 ... 60 Hz
Rated current	0.8 A
Output voltage	24 V DC
Quiescent current	approx. 192 mA (base model w/o display and operating unit) approx. 348 mA (base model with display and operating unit)
Current consumption for ext. devices	3 A
Battery capacity	2 x 12 V / 12 Ah (max. 4 x 12 V/24 Ah)
Ambient temperature	-5 °C ... 45 °C
Storage temperature	-10 °C ... 50 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 30
Housing	ABS, 10% glass fiber reinforced, V - 0
Color	gray, similar to Pantone 538
Weight	approx. 6.5 kg
Dimensions	W: 450 mm H: 320 mm D: 185 mm

Optionally: the display and operating unit (Part No. FX808324), labeling set (Part No. FX8084xx) or the neutral front (Part No. FX808325) must be ordered separately.

Following external printers could be switched on FlexES Control:

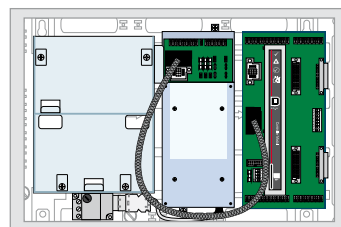
- OKI Microline 280 Elite (Part No. FX808352)
- Epson LQ300
- Printer MEFA (Part No. FX808353, FX808354)

Max. two micromodules, up to two esserbus analog loops (system supports up to 254 digital loop addresses in total)

Max. two micromodules, up to two esserbus analog loops and expandable up to 127 loop devices (per loop) in mixed mode / loop powered and non-loop powered (system supports up to 254 digital loop addresses in total)

Set includes 1 x power supply module, 1 x plugin connection cable, 1 x PS connection module, 1 x rear panel 1, 1 x control module, 1 x housing frame and 1 x base module carrier, 1 x set air filter

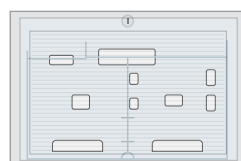
FlexES Control FX2



Please order separately:
Display and operating unit
or neutral front



Option: Extension housing including neutral front



max. 2 x 12 V/12 Ah

FlexES Control/Intelligent Addressable

FlexES Control FX10



Features

- Master/slave CPU by redundant control module
- Combinable loop/spur technology with decentralized intelligence
- Freely configurable functionality of modules
- 4 free programmable potential free contacts and 1 output for alarm transmission unit (ATU)
- Increased availability via emergency mode function of the loop modules
- Emergency mode for monitored areas up to 48,000 m² or more than 512 fire detectors acc. to the German Planning standard VDE 0833 and/or VdS 2095.
- USB, RS 485, TTY interfaces onboard
- Direct output of the proprietary EDP communications protocol (Data Protocol) via interface RS 485
- Operation of loop-powered alarm signaling devices (optical/acoustic/voice) in different alarm zones via esserbus-PLus
- Cascadable power supply to 450 W according to EN 54-4
- Loop length up to 3.5 km (esserbus)
- Operation of different input/output gateways
- Integrated interfaces for operation of required fire brigade periphery, e.g. fire brigade indicating panel, fire brigade operating unit
- Event memory with 10,000 entries
- Operation of VdS-approved wireless components with convenient field intensity measurement
- Parameterization, calibration and programming directly via USB
- Galvanic isolation of analog loops possible
- Up to 1,000 control zones

In connection with display and operating unit (Part No. FX808324)

- Display and operating unit with 5.7" TFT display
- Capacitive keyboard for touch-sensitive operation
- Program-controlled night design with interactive keyboard menu

Additional features for powered loop

- BUS supplied, synchronously controlled, acoustic alarm signaling devices as per DIN EN 54 - 3 with alarm tone as per DIN 33404
- Up to 48 powered loop base sounders (series 9200) per loop
- Up to 32 powered loop IQ8Alarm per loop
- Up to 48 IQ8Quad with alarm device per loop


Approval: VdS, CNBOP

VdS system authorization: S 209207

Basic set for assembly of a FACP with vertical expansion for a maximum of 10 module slots.

Technical Data

Rated voltage	230 V AC
Rated frequency	50 ... 60 Hz
Rated current	0.8 A
Output voltage	24 V DC
Quiescent current	approx. 192 mA (base model w/o display and operating unit)
	approx. 348 mA (base model with display and operating unit)
Current consumption for ext. devices	3 A
Battery capacity	4 x 12 V / 24 Ah
Ambient temperature	-5 °C ... 45 °C
Storage temperature	-10 °C ... 50 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 30
Housing	ABS, 10% glass fiber reinforced, V - 0
Color	gray, similar to Pantone 538
Weight	approx. 15.1 kg (incl. neutral front)
	approx. 17 kg (incl. operating unit)
Dimensions	W: 450 mm H: 960 mm D: 185 mm
Declaration of Performance	DoP-20903130701

 Expandable to a maximum of ten module slots via optional extension module carriers. Space for required batteries in one or several extension housings.


The following external printers could be switched on FlexES Control:

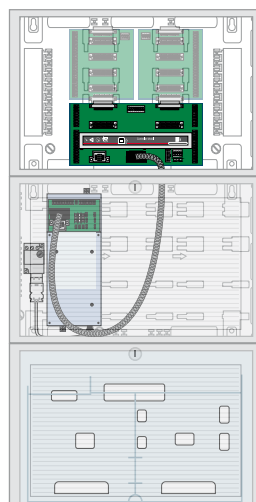
- OKI Microline 280 Elite (Part No. FX808352)
- Epson LQ300
- Printer MEFA (Part No. FX808352, FX808354)

Optionally: the display and operating unit (Part No. FX808324), labeling set (Part No. FX8084xx) or the neutral front (Part No. FX808325) must be ordered separately.

Max. 10 micromodules, up to 10 esserbus analog loops (system supports up to 1,270 digital loop addresses in total)

Max. 10 micromodules, up to 10 esserbus analog loops and expandable up to 127 loop devices (per loop) in mixed mode / loop powered and non-loop powered (system supports up to 1,270 digital loop addresses in total)

 Set includes 1 x power supply module, 1 x plugin connection cable, 1 x PS connection module, 1 x rear panel 2, 1 x control module, 1 x housing frame and 1 x base module carrier, 1 x set air filter

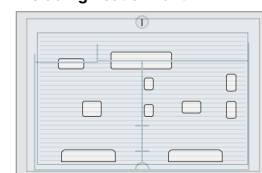


FlexES Control FX10

Please order separately:
Display and operating unit
or neutral front



Extension housing
including neutral front



max. 2 x 12 V/24 Ah

FX808393

FACP FlexES Control FX10 (5 loops)

Hardware FlexES Control FX10 basic configuration, with software support for 5 loops. System supports up to 635 digital loop addresses in total. Configuration is modularly expandable up to 10 loops by exchange of the CPU license.

FX808394

FACP FlexES Control FX10 (10 loops)

Hardware FlexES Control FX10 basic configuration, with software support for 10 loops.

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FlexES Control/Intelligent Addressable

FlexES Control FX18



Features

- Master/slave CPU by redundant control module
- Combinable loop/spur technology with decentralized intelligence
- Freely configurable functionality of modules
- 4 free programmable potential free contacts and 1 output for alarm transmission unit (ATU)
- Increased availability via emergency mode function of the loop modules
- Emergency mode for monitored areas up to 48,000 m² or more than 512 fire detectors acc. to the German Planning standard VDE 0833 and/or VdS 2095
- USB, RS 485, TTY interfaces onboard
- Direct output of the proprietary EDP communications protocol (Data Protocol) via interface RS 485
- Operation of loop-powered alarm signaling devices (optical/acoustic/voice) in different alarm zones via esserbus-PLus
- Cascadable power supply to 450 W according to EN 54-4
- Loop length up to 3.5 km (esserbus)
- Operation of different input/output gateways
- Event memory with 10,000 entries
- Integrated interfaces for operation of required fire brigade periphery, e.g. fire brigade indicating panel, fire brigade operating unit
- Operation of VdS-approved wireless components with convenient field intensity measurement
- Parameterization, calibration and programming directly via USB
- Galvanic isolation of analog loops possible
- Up to 1,000 control zones

In connection with display and operating unit (Part No. FX808324)

- Display and operating unit with 5.7" TFT display
- Capacitive keyboard for touch-sensitive operation
- Program-controlled night design with interactive keyboard menu

Additional features for powered loop

- BUS supplied, synchronously controlled, acoustic alarm signaling devices as per DIN EN 54 - 3 with alarm tone as per DIN 33404
- Up to 48 powered loop base sounders (series 9200) per loop
- Up to 32 powered loop IQ8Alarm per loop
- Up to 48 IQ8Quad with alarm device per loop

Approval: VdS, CNBOP

VdS system authorization: S 209207

Basic set for assembly of a FACP with horizontal extension for a maximum of 18 module slots.

Technical Data

Rated voltage	230 V AC
Rated frequency	50 ... 60 Hz
Rated current	0.8 A
Output voltage	24 V DC
Quiescent current	approx. 192 mA (base model w/o display and operating unit) approx. 348 mA (base model with display and operating unit)
Current consumption for ext. devices	3 A
Battery capacity	4 x 12 V / 24 Ah
Ambient temperature	-5 °C ... 45 °C
Storage temperature	-10 °C ... 50 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 30
Housing	ABS, 10% glass fiber reinforced, V - 0
Color	gray, similar to Pantone 538
Weight	approx. 15.1 kg (incl. neutral front) approx. 17 kg (incl. operating unit)
Dimensions	W: 450 mm H: 960 mm D: 185 mm
Declaration of Performance	DoP-20903130701

Expandable to a maximum of ten module slots via optional extension module carriers. Space for required batteries in one or several extension housings.

The following external printers could be switched on FlexES Control:

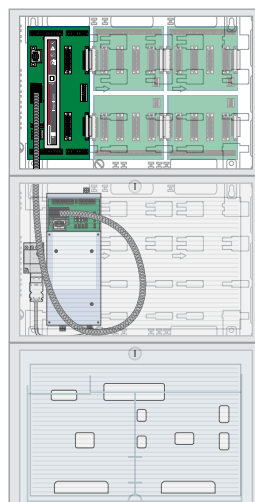
- OKI Microline 280 Elite (Part No. FX808352)
- Epson LQ300
- Printer MEFA (Part No. FX808353, FX808354)

Optionally: the display and operating unit (Part No. FX808324), labeling set (Part No. FX8084xx) or the neutral front (Part No. FX808325) must be ordered separately.

Max. 18 micromodules, up to 18 esserbus analog loops (system supports up to 2,286 digital loop addresses in total)

Max. 18 micromodules, up to 18 esserbus analog loops and expandable up to 127 loop devices (per loop) in mixed mode / loop powered and non-loop powered (system supports up to 2,286 digital loop addresses in total)

Set includes 1 x power supply module, 1 x plugin connection cable, 1 x PS connection module, 1 x rear panel 1, 1 x control module, 1 x housing frame and 1 x base module carrier, 1 x set air filter

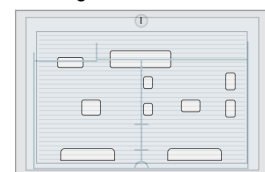


FlexES Control FX18

Please order separately: Display and operating unit or neutral front



Extension housing including neutral front



max. 2 x 12 V/24 Ah

FX808395

FACP FlexES Control FX18 (5 loops)

Hardware FlexES Control FX18 basic configuration, with software support for 5 loops. System supports up to 635 digital loop addresses in total. Configuration is modularly expandable up to 18 loops by exchange of the CPU license.

FX808396

FACP FlexES Control FX18 (10 loops)

Hardware FlexES Control FX18 basic configuration, with software support for 10 loops. System supports up to 1,270 digital loop addresses in total. Configuration is modularly expandable up to 18 loops by exchange of the CPU license.

FX808397

FACP FlexES Control FX18 (18 loops)

Hardware FlexES Control FX18 basic configuration, with software support for 18 loops.

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FlexES Control/Intelligent Addressable

Operating Fronts for FlexES Control

FX808324



Features


- Capacitive keyboard for touch sensitive operation
- Program-controlled night design with interactive keyboard menu
- Four access levels via access codes (details can be found in technical manual)
- Four freely programmable function keys on each access level with operating macros for supplementary functions
- 1/4 VGA (5.7-Inch) monochrome display


Display and operating unit with 5.7" display

Operating front including mounting frame and housing lock for display and operation of a fire alarm panel or a fire alarm system. Capacitive keys and hidden-until-lit status indicators for intuitive operation during status changes. Operator password via access codes for all levels, with menu navigation display in different operation levels.

Technical Data

Operating voltage	24 V DC
Quiescent current	approx. 156 mA
Resolution	320 x 240 pixel
Ambient temperature	-5 °C ... 45 °C
Air humidity	< 95 % (non-condensing)
Color	black, similar to RAL9005
Weight	approx. 1 kg
Dimensions	W: 450 mm H: 320 mm D: 30 mm

 The description set must be ordered separately!

 Built into front frame including housing lock, hinge unit and mounting material.

Part no.	Part description	Part no.	Part description
FX808401	Labeling set "Germany"	FX808414	Labeling set "Croatia"
FX808402	Labeling set "England"	FX808415	Labeling set "France"
FX808403	Labeling set "Italy"	FX808416	Labeling set "Slovakia"
FX808404	Labeling set "Portugal"	FX808417	Labeling set "Romania"
FX808405	Labeling set "Poland"	FX808418	Labeling set "Slovenia"
FX808406	Labeling set "Spain"	FX808419	Labeling set "Turkey"
FX808407	Labeling set "Austria"	FX808420	Labeling set "Greece"
FX808408	Labeling set "Netherlands"	FX808421	Labeling set "Belgium" (Flemish)
FX808409	Labeling set "Czech Republic"	FX808422	Labeling set "Belgium" (Walloon)
FX808410	Labeling set "Russia"	FX808424	Labeling set "Bulgaria"
FX808411	Labeling set "Hungary"	FX808425	Labeling set "Brazil"
FX808412	Labeling set "Denmark"	FX808426	Labeling set "China (simplified)"
FX808413	Labeling set "Sweden"	FX808427	Labeling set "China (traditional)"

FX808325




Neutral front

Blank front for covering the housing opening as alternative for an operating unit.

Technical Data

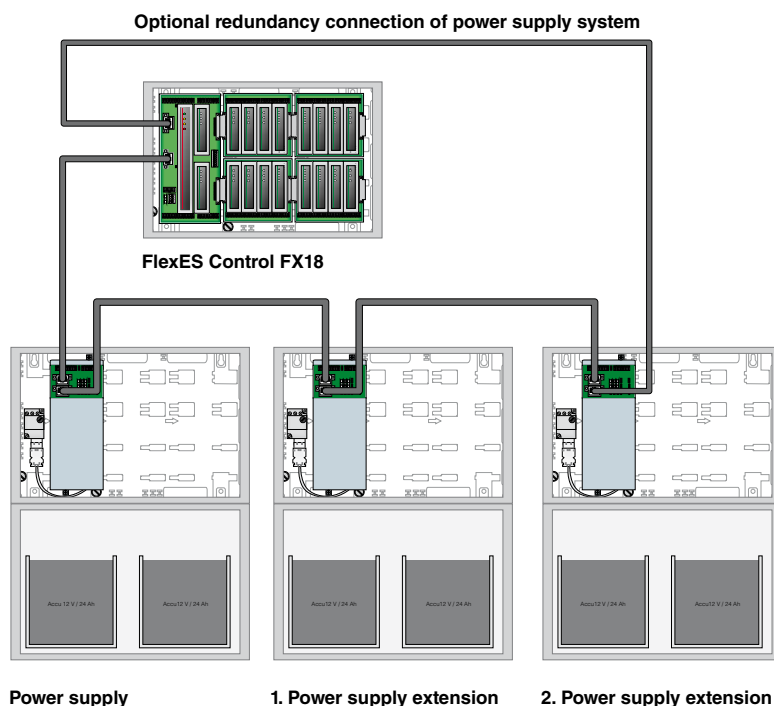
Color	gray, similar to Pantone 538
Weight	approx. 0.3 kg
Dimensions	W: 450 mm H: 320 mm D: 30 mm

 Built into front frame including housing lock, hinge unit and mounting material.

Power Supply Extension

A maximum of 450 W is available at 24 V per panel by “cascading” power supply modules. Each power supply module can monitor and charge 2 x 2 batteries 12 V/24 Ah or 12 V/12 Ah fulfilling the required emergency power buffering time by EN 54-4. A maximum battery capacity of 24 V/48 Ah per power supply is available, which may be increased up to 144 Ah with three power supply modules. Thus, the system has sufficient energy reserves for alarm zones, fire protection equipment and indicating devices, line smoke and heat detectors as well as other detection and control equipment of the system.

Optionally, the power supply can be installed in a redundant ring wiring. A “three-phase supply” (400 V) is also possible offering the advantage of separate phase supply for each power supply module. Even in the event of a loss of one phase, two more power supplies are still available to supply the system.



FX808363

Power supply extension 24 V/12 Ah



Additional power supply for extension of the power supply in the basic control panel set. The power supply extension supplements the existing panel power supply with an additional 150 W via a plug-in line connection. There is space for two 12 V/24 Ah batteries on the bottom of the housing. Two additional 24 Ah batteries can be connected with an extra housing (Part No. FX808313).


Technical Data

Rated voltage	230 V AC
Rated frequency	50 ... 60 Hz
Rated current	0.7 A
Output voltage	24 V DC
Output current	max. 6 A (total)
Current consumption for ext. devices	3 A
Battery capacity	4 x 12 V / 12 Ah (max. 4 x 12 V/12 Ah)
Ambient temperature	-5 °C ... 45 °C
Storage temperature	-10 °C ... 50 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 30
Housing	ABS, 10% glass fiber reinforced, V - 0
Color	gray, similar to Pantone 538
Weight	approx. 6.2 kg
Dimensions	W: 450 mm H: 320 mm D: 185 mm

Optional units:

018011 battery, maximum 2 x 12 V/12 Ah (24 V/12 Ah)
 (Part No. FX808314) Battery extension housing for 2 x 12 V/12 Ah
 Only the same types of battery (manufacturer, date of manufacture, capacity, and charge status) may be connected to the power supply module.

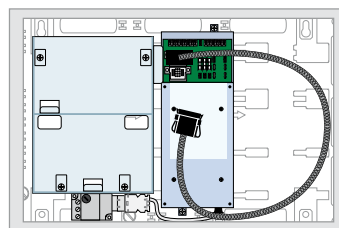
Cascading details are mentioned in the technical manual Part No. included in accessories.

 Set includes 1 x housing rear panel 1, 1 x housing frame, 1 x battery holder for 2 x 12 V/12 Ah (including PS connection module holder), 1 x power supply module 24 V DC/150 W, 1 x neutral front and 1 x plug-in connection cable, 1 x set air filter

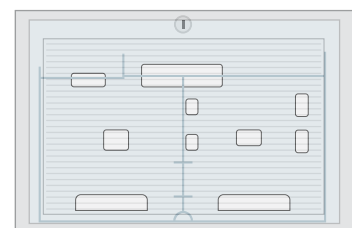
Accessories

FX808330 3-way plug
 FX808455 Cable power supply cascading 2,5 m

Power supply extension 24 V/12 Ah



Option: Extension housing incl. neutral front



max. 2 x 12 V/12 Ah

FX808364

Power supply extension 24 V/24 Ah



Additional power supply for extension of the power supply in the basic control panel set. The power supply extension supplements the existing panel power supply with an additional 150 W via a plug-in line connection. There is space for two 12 V/24 Ah batteries on the bottom of the housing. Two additional 24 Ah batteries can be connected with an external housing (Part No. FX808313). Additional components can be mounted onto top-hat rails in the power supply housing.

Technical Data

Rated voltage	230 V AC
Rated frequency	50 ... 60 Hz
Rated current	0.8 A
Output voltage	24 V DC
Output current	max. 6 A
Current consumption for ext. devices	3 A
Battery capacity	4 x 12 V / 24 Ah (max. 4 x 12 V 24 Ah)
Ambient temperature	-5 °C ... 45 °C
Storage temperature	-10 °C ... 50 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 30
Housing	ABS, 10% glass fiber reinforced, V - 0
Color	gray, similar to Pantone 538
Weight	approx. 10.3 kg
Dimensions	W: 450 mm H: 640 mm D: 185 mm

Optional units:

(Part No. 018006) battery, maximum 2 x 12 V/24 Ah (24 V/24 Ah)

(Part No. FX808313) battery extension housing for 2 x 12 V/24 Ah

Only the same types of battery (manufacturer, date of manufacture, capacity, and charge status) may be connected to the power supply module. Cascading details are mentioned in the technical manual Part No. included in accessories.



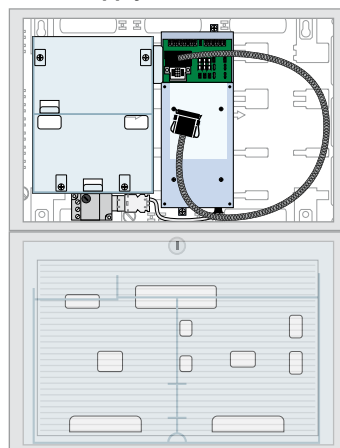
Set includes 1 x housing rear panel 1, 1 x housing frame, 1 x power supply module 24 V DC/150 W, 1 x neutral front, 1 x extension housing for two batteries including neutral front and 1 x plug-in connection cable, 1 x set air filter

Accessories

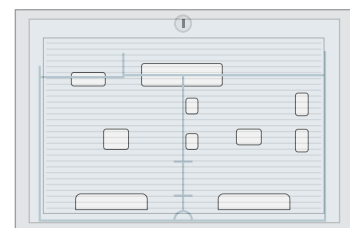
FX808330 3-way plug

FX808455 Cable power supply cascading 2,5 m

Power supply extension 24 V/24 Ah



Option: Extension housing incl. neutral front



max. 2 x 12 V/24 Ah

FX808330

3-way connector



Connector 3-way plug with extension cable for connection of additional power supply modules to 230 V AC primary power supply. Up to three power supply units can be connected to one mains voltage line via this connector plug.

Technical Data

Cable length 0.6 m



Incl. connecting cable

Features

- Connector with locking mechanism
- Connection lead for pluggable connection to power supply module

FX808455

Hybrid cable power supply module-cascading



Pluggable connecting cable for wiring in a loop up to three power supply modules.

Technical Data

Cable length 2.5 m

FX808313

Battery extension housing for 2 x 12 V/24 Ah



Complete plastic housing for two batteries 12 V/24 Ah.

Technical Data

Ambient temperature	-5 °C ... 45 °C
Storage temperature	-10 °C ... 50 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 30
Housing	ABS, 10% glass fiber reinforced, V - 0
Color	gray, similar to Pantone 538
Weight	approx. 4.5 kg
Dimensions	W: 450 mm H: 320 mm D: 185 mm



Incl. mounting material, without batteries

FX808314

Battery extension housing for 4 x 12 V/12 Ah



Same as FX808313, but for 4 x 12 V/12 Ah.

Technical Data

Ambient temperature	-5 °C ... 45 °C
Storage temperature	-10 °C ... 50 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 30
Housing	ABS, 10% glass fiber reinforced, V - 0
Color	gray, similar to Pantone 538
Weight	approx. 4.5 kg
Dimensions	W: 450 mm H: 320 mm D: 185 mm



Incl. mounting material, without batteries

FX808333

NEW



Transponder mounting plate for PSU

Connect the mounting panel to the power supply module with four supplied spacers.



- 1 x esserbus transponder e.g. 12 relay (Part No. 808610.10) or
- 1 x esserbus transponder e.g. alarm transponder (Part No. 808623) or
- 1 x Adapter ADP-N3E-U/EDP or
- 1 x Adapter ADP-N3S/EDP

FX808322



Extension module carrier 1

Module carrier in plastic mounting tray for up to four modules with plug-in terminals. The modules automatically lock when plugged in and can be exchanged without using any tool. When the extension module carrier 1 is set up horizontally, the terminals are facing downwards; when set up vertically, the terminals face to the left.

Technical Data

Weight	approx. 175 g
Dimensions	W: 170 mm H: 120 mm D: 25 mm

FX808323



Extension module carrier 2

Module carrier in plastic mounting tray for up to four modules with plug-in terminals. The modules automatically lock when plugged in and can be exchanged without using any tool. When the extension module carrier 2 is set up horizontally, the terminals are facing upwards; when set up vertically, the terminals face to the right.

Technical Data

Weight	approx. 175 g
Dimensions	W: 140 mm H: 120 mm D: 25 mm

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The industry-typical set-up of the new cabinet construction system enables a space-saving design of the FlexES Control FACP for all conceivable applications.

However, due to the large number of possible configurations, no generally valid manufacturer conformity can be designed.

For this reason, a total of eleven different configuration options have been predefined.

These are already pre-tested and must be implemented in this form in order to ensure manufacturer conformity in accordance with construction product guidelines.


If the components are integrated into an equipment cabinet independently by an installer, this installer must declare the conformity.

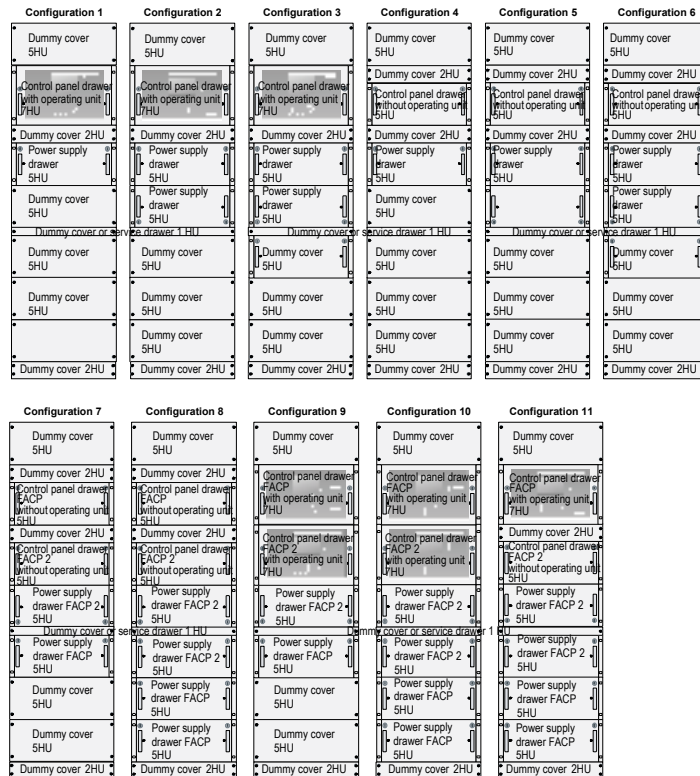
For this purpose, we provide the installer with a certification form, which must be completed and returned to the operator.

To order an equipment cabinet, regardless of whether the assembly is carried out by ESSER or by the installer, the order must be placed using an appropriate form.

This is available as a download "FlexES order form" in the protected customer area of our website at www.esser-systems.com. Please understand that, in order to comply with the construction product guidelines, we can only process orders for 19" equipment cabinets, which are available from us together with the completed order form.

The following eleven configuration options can be selected using the order form described above:

-  Compatible external serial printers for FlexES Control:
 - OKI Microline 280 Elite (Part No. FX808352)
 - Epson LQ300
 - Printer MEFA (Part No. FX808353, FX808354)



19" Rack/Intelligent Addressable

Order
Floor-type cabinet and rack-mounting
for Fire Alarm Control Panel FlexES Control

ESSER
by Honeywell

Customer Data

Property / Commission _____
 Customer Number _____
 Installer _____
 Order Date _____
 Designated delivery date _____

Control panels

FACP 1 _____
 FACP 2 _____

Floor-type cabinet

Type _____

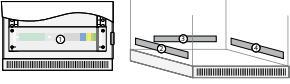
Service-drawer

essernet terminal _____

Lettering set

Terminal-Installation

Please choose a desired installation space of the terminals in the bottom of the floor-type cabinet.



Installation space: _____

Configuration

Please select a configuration on the following pages. The following options are approved by the manufacturer and may not be changed. Variations in structure lead to the loss of CE approval.

Selected Configuration: _____

Novor GmbH a Honeywell Company
 Dieselstraße 2 41469 Neuss, Germany
 www.esser-systems.com info@esser-systems.com

GB 798985.20.GB0
02.2013

Fill in property data and select type of control panel

Choose type of cabinet

ESSER
by Honeywell

Floor-type cabinet and rack-mounting
for Fire Alarm Control Panel FlexES Control

Configuration 1	Configuration 2	Configuration 3	Configuration 4	Configuration 5	Configuration 6
Dummy cover 5 HU	Dummy cover 5 HU	Dummy cover 5 HU	Dummy cover 5 HU	Dummy cover 5 HU	Dummy cover 5 HU
Control panel drawer without operating unit 5 HU	Control panel drawer with operating unit 5 HU	Control panel drawer without operating unit 5 HU	Control panel drawer without operating unit 5 HU	Control panel drawer without operating unit 5 HU	Control panel drawer without operating unit 5 HU
Dummy cover 2 HU	Dummy cover 2 HU	Dummy cover 2 HU	Dummy cover 2 HU	Dummy cover 2 HU	Dummy cover 2 HU
Power supply drawer 5 HU	Power supply drawer 5 HU	Power supply drawer 5 HU	Power supply drawer 5 HU	Power supply drawer 5 HU	Power supply drawer 5 HU
Dummy cover 1 HU	Power supply drawer 5 HU	Power supply drawer 5 HU	Dummy cover 1 HU	Power supply drawer 5 HU	Power supply drawer 5 HU
Dummy cover at service drawer 1 HU	Dummy cover at service drawer 1 HU	Dummy cover at service drawer 1 HU	Dummy cover at service drawer 1 HU	Dummy cover at service drawer 1 HU	Dummy cover at service drawer 1 HU
Dummy cover 2 HU	Dummy cover 2 HU	Dummy cover 2 HU	Dummy cover 2 HU	Dummy cover 2 HU	Dummy cover 2 HU
Dummy cover 1 HU	Dummy cover 1 HU	Dummy cover 1 HU	Dummy cover 1 HU	Dummy cover 1 HU	Dummy cover 1 HU
Dummy cover 2 HU	Dummy cover 2 HU	Dummy cover 2 HU	Dummy cover 2 HU	Dummy cover 2 HU	Dummy cover 2 HU

Order
Floor-type cabinet and rack-mounting
for Fire Alarm Control Panel FlexES Control

ESSER
by Honeywell

Configuration 7	Configuration 8	Configuration 9	Configuration 10	Configuration 11
Dummy cover 5 HU	Dummy cover 5 HU	Dummy cover 5 HU	Dummy cover 5 HU	Dummy cover 5 HU
Dummy cover 2 HU	Dummy cover 2 HU	Dummy cover 2 HU	Dummy cover 2 HU	Dummy cover 2 HU
Control panel drawer without operating unit 5 HU FACP 1	Control panel drawer without operating unit 5 HU FACP 1	Control panel drawer without operating unit 5 HU FACP 1	Control panel drawer without operating unit 5 HU FACP 1	Control panel drawer with operating unit 5 HU FACP 1
Dummy cover 2 HU	Dummy cover 2 HU	Dummy cover 2 HU	Dummy cover 2 HU	Dummy cover 2 HU
Control panel drawer without operating unit 5 HU FACP 2	Control panel drawer without operating unit 5 HU FACP 2	Control panel drawer without operating unit 5 HU FACP 2	Control panel drawer without operating unit 5 HU FACP 2	Control panel drawer with operating unit 5 HU FACP 2
Power supply drawer 5 HU FACP 1	Power supply drawer 5 HU FACP 1	Power supply drawer 5 HU FACP 1	Power supply drawer 5 HU FACP 1	Power supply drawer 5 HU FACP 1
Dummy cover 1 HU	Power supply drawer 5 HU FACP 2	Power supply drawer 5 HU FACP 2	Dummy cover 1 HU	Power supply drawer 5 HU FACP 2
Dummy cover at service drawer 1 HU	Dummy cover at service drawer 1 HU	Dummy cover at service drawer 1 HU	Dummy cover at service drawer 1 HU	Dummy cover at service drawer 1 HU
Dummy cover 2 HU	Dummy cover 2 HU	Dummy cover 2 HU	Dummy cover 2 HU	Dummy cover 2 HU
Dummy cover 1 HU	Dummy cover 1 HU	Dummy cover 1 HU	Dummy cover 1 HU	Dummy cover 1 HU
Dummy cover 2 HU	Dummy cover 2 HU	Dummy cover 2 HU	Dummy cover 2 HU	Dummy cover 2 HU

Order
Floor-type cabinet and rack-mounting
for Fire Alarm Control Panel FlexES Control

ESSER
by Honeywell

All components are automatically filed

Components for floor-type cabinet	Height units	Item no.
Indicating and operating panel FlexES Control with front frame	7 HU	FX808324.19
Heavy-duty drawer incl. software license for up to 10 loops	5 or 7 HU	FX808430.10R
Heavy-duty drawer incl. software license for up to 10 loops	5 or 7 HU	FX808430.10R
Heavy-duty drawer for power supply	5 or 7 HU	FX808431
Expansion module carrier 1 for ext. terminals (max. 4 per floor-type cabinet)	---	FX808432
Expansion module carrier 2 for ext. terminals (max. 4 per floor-type cabinet)	---	FX808433
Mounting kit for terminals	---	FX808434
Wiring terminal for 1 to 4 module slots	---	FX808435
Wiring terminal for essernet terminals	---	FX808436
Wiring terminal for power supply module (+U/Ext. 24 V)	---	FX808437
Wiring terminal mains connection 230 V AC	---	FX808438
Service drawer	1 HU	FX808439
Dummy cover for heavy-duty drawer	5 HU	FX808440
Floor-type cabinet with installation	42 HU	769166
Floor-type cabinet without installation	42 HU	740059
Dummy cover	1 HU	740066
Dummy cover	2 HU	744030
Dummy cover	5 HU	744028
Lettering set	---	---
Modules	---	---
essernet module	---	FX808331
essernet module G1	---	FX808332
essernet module 62.5 kbit	---	FX808340
essernet module 500 kbit	---	FX808341
Control module 2 (redundancy)	---	FX808328.RE
Service	---	---
Installation with provided floor-type cabinet	---	FX808444

1 HU = 1 height unit = 44.45 mm
 1 inch = 25.4 mm

Novor GmbH a Honeywell Company
 Dieselstraße 2 41469 Neuss, Germany
 www.esser-systems.com info@esser-systems.com

GB 798985.20.GB0
02.2013

FX808430.10R

Heavy-duty drawer with software release for 10 analog loops



Heavy-duty drawer on ball-bearing metal rails incl. base module carrier and control module for up to four expansion module carriers. The control module is designed for an expansion of max. 10 analog loops.

Technical Data

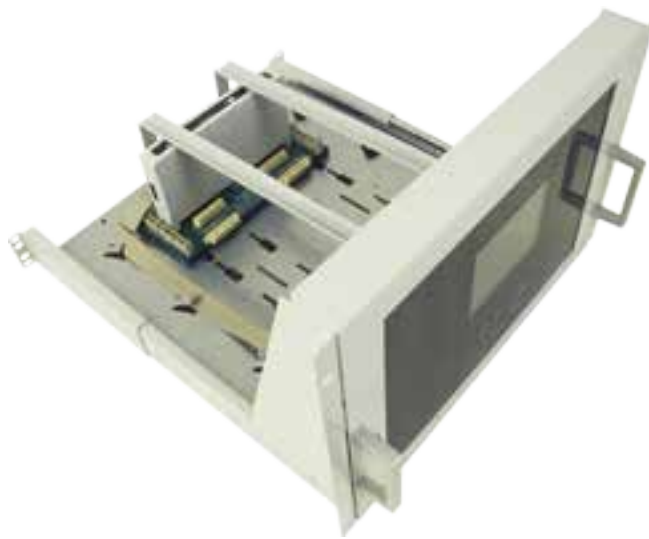
Ambient temperature	-5 °C ... 45 °C
Storage temperature	-10 °C ... 50 °C
Air humidity	< 95 % (non-condensing)
Housing	ABS, 10 % glass fiber reinforced, V - 0
Color	gray, similar to Pantone 538
Weight	approx. 15.1 kg
Dimensions	W: 450 mm H: 960 mm D: 185 mm



Display and operating front must be ordered separately.



1 x heavy duty drawer incl. installation accessories, 1 x control module for 10 analog loops, incl. 2 x fasteners



Application example with HMI

FX808430.18R

Heavy-duty drawer with control module, 18 loops



Same as FX808430.10R, but including control module for an expansion of up to 18 analog loops.

Technical Data

Ambient temperature	-5 °C ... 45 °C
Storage temperature	-10 °C ... 50 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 30
Housing	ABS, 10 % glass fiber reinforced, V - 0
Color	gray, similar to Pantone 538
Weight	approx. 15.1 kg



Display and operating front must be ordered separately.

Application example with HMI

FX808431


Heavy-duty drawer with power supply unit, 5 HU




Heavy-duty drawer on ball-bearing metal rails with power supply module and space for up to four batteries 12 V/24 Ah.

Technical Data

Ambient temperature	-5 °C ... 45 °C
Storage temperature	-10 °C ... 50 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 30
Housing	ABS, 10 % glass fiber reinforced, V - 0
Color	gray, similar to Pantone 538
Weight	approx. 15.1 kg
Dimensions	W: 450 mm H: 640 mm D: 185 mm

 Dummy cover for heavy-duty drawer PSU, 5 HU must be ordered separately.

-  1 x Mains adapter connection cable
- 2 x Battery connection cables
- 2 x Fasteners
- 1 x Power supply module (PSM) FX808326, 24 V DC / 150 W with PSM connector cable
- 1 x Power supply connection (PSC) FX808327




Application example with HMI

FX808432

Expansion module carrier 1 for shouldered connection



Module carrier in plastic mounting tray for up to four modules. The connection to the relocated shouldered plug-in terminal is made over a preconfigured plug-in cable.


 Max. two module carrier 1 can be inserted.

FX808433

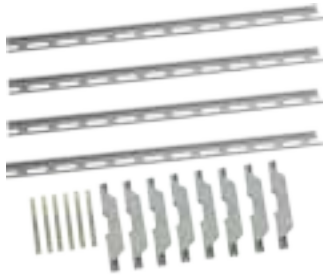
Expansion module carrier 2 for shouldered connection



Module carrier in plastic mounting tray for up to four modules. The connection to the relocated shouldered plug-in terminal is made over a preconfigured plug-in cable.

 Max. two module carrier 2 can be inserted.

FX808434




Mounting rail set for connection terminals

Four cut-to-length hat rails for mounting connection terminals, transponders, fuses etc. in a 19" housing.

Technical Data

Dimensions L: 485 mm (hat rails)


 Delivery incl. mounting material to fix the mounting rails in the rack housing.

FX808435



Connection terminal for 4 module slots

Shouldered 2 m connection terminal for wiring connection of esserbus/esserbus-PLus (up to 4 modules) to expansion module carrier.


 Incl. pluggable 2 m connection cable between expansion module carrier and the connection terminal

FX808436



Connection terminal for essernet modules

Shouldered 2 m connection terminal for wiring connection of the essernet with 62.5 kBd or 500 kBd transfer rate.

 Incl. pluggable 2 m connection cable between expansion module carrier and the connection terminal




FX808437



Connection terminal for UBext

For external power supply of the periphery over screw-type terminals.

 Incl. pluggable connection cable between power supply adapter and connection terminal.

FX808438



Connection terminal for 230 V and 400 V mains power supply

In compliance with VDE 0100 a one- or three-phase mains connection supplies up to three power supply modules in the same housing.

FX808324.19


Display and operating unit for rack, 7 HU



Same as FX808324, but for rack installation. Operating unit front, including tilting assembly frame for display and operation of the FACP or a fire alarm system.
 Capacitive keys and backlit status displays for intuitive operation in the event of a change of status.
 Operating release through access codes for all levels, with menu-driven display at different operating levels.
 Capacitive keyboard for touch sensitive operation
 Program-controlled night design with interactive keyboard menu
 Four access levels via access codes (details can be found in technical manual)
 Four freely programmable function keys on each access level with operating macros for supplementary functions
 5.7" monochrome display

Technical Data

Operating voltage	24 V DC
Quiescent current	approx. 156 mA
Resolution	320 x 240 pixel
Ambient temperature	-5 °C ... 45 °C
Air humidity	< 95 % (non-condensing)
Color	black, similar to RAL9005
Weight	approx. 1 kg
Dimensions	W: 450 mm H: 320 mm D: 30 mm

 Labeling set must be ordered separately!

Part no.	Part description	Part no.	Part description
FX808401	Labeling set "Germany"	FX808414	Labeling set "Croatia"
FX808402	Labeling set "England"	FX808415	Labeling set "France"
FX808403	Labeling set "Italy"	FX808416	Labeling set "Slovakia"
FX808404	Labeling set "Portugal"	FX808417	Labeling set "Romania"
FX808405	Labeling set "Poland"	FX808418	Labeling set "Slovenia"
FX808406	Labeling set "Spain"	FX808419	Labeling set "Turkey"
FX808407	Labeling set "Austria"	FX808420	Labeling set "Greece"
FX808408	Labeling set "Netherlands"	FX808421	Labeling set "Belgium" (Flemish)
FX808409	Labeling set "Czech Republic"	FX808422	Labeling set "Belgium" (Walloon)
FX808410	Labeling set "Russia"	FX808424	Labeling set "Bulgaria"
FX808411	Labeling set "Hungary"	FX808425	Labeling set "Brazil"
FX808412	Labeling set "Denmark"	FX808426	Labeling set "China (simplified)"
FX808413	Labeling set "Sweden"	FX808427	Labeling set "China (traditional)"

FX808439

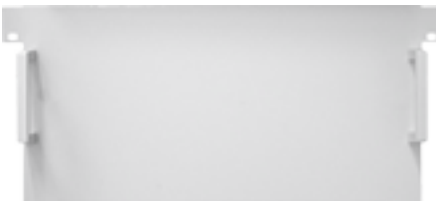
Service drawer, 1 HU



Space-saving, ball-bearing-mounted drawer to house programming equipment during servicing and commissioning.

FX808440

Dummy cover for heavy-duty drawer PSU, 5 HU



Dummy cover to cover the heavy-duty drawer incl. mounting material with 5 HU.

769166

Rack cabinet 19", 800 mm depth, 42 HU, incl. mounting



With full-view window and pivoted lever closure to house the 19" FlexES Control system – built-in version.
Cabinet frame with welded 100 mm base and drill holes for floor anchoring.
Rear panel and side panels are removable.
Cable entrance in the roof with brush strip and cover panel, and also in cabinet floor.
42 HU rigid frame to house the operating unit and facing with dummy plates.



The upright cabinet is set up and wired according to the chosen configuration option.
Subsequent required functional and safety testing in accordance with VDE 0100.
Assembly is included.

FX808449

Certification set for FlexES rack



1 x Installation manual rack mounting
1 x Check list rack mounting
1 x Installation manual for components

FX808443

Housing assembly

Mounting of selected modules, as specified by the customer. Assembled ready for use incl. wiring according to VDE 0100.

Modules for FlexES System

FX808331



Features

- For a maximum of 127 devices (IQ8Quad intelligent fire detectors, MCPs, detector series 9200, esserbus transponder or loop-powered signaling devices)
- Loop length up to 3.5 km
- Support of wireless components
- Permanent monitoring of all active detectors, transponders and alarm signaling devices
- Monitoring of the loops for short circuit, wire break and disturbances
- Quick reactivation of the bus-powered signaling devices after short circuiting in compliance with EN 54-13
- Plastic protective housing with LED displays for fast indication of operating status
- Integrated line isolators for two-way line protection in the event of a short circuit

Loop card esserbus/esserbus-PLus module for FlexES Control

Module in plastic protective housing for connection of an esserbus / esserbus-PLus loop. Mixed operation of esserbus and esserbus-PLus is possible in a fire alarm panel. Up to 18 loops can be realized depending on the extension of the alarm panel and/or on the number of available module slots.

Up to four modules without galvanic isolation can be used in the fire alarm panel. If more than 4 loop modules are used in a panel, modules with galvanic isolation (GI) are necessary to be used from the fifth loop module onwards. Mixed operation of the modules with/without galvanic separation within one control panel is easily possible.

Technical Data

Operating voltage	24 V DC
Quiescent current	approx. 17 mA
Weight	approx. 110 g
Dimensions	W: 27 mm H: 93 mm D: 112 mm

FX808332



Features

- If more than 4 loop modules are used in a panel, galvanic isolation is required

Loop card esserbus/esserbus-PLus module GI for FlexES Control

As FX808331, but with galvanic isolation (GI). The galvanic isolation ensures that any disturbances on one loop do not interfere with the other loops and with the panel itself.

Technical Data

Operating voltage	24 V DC
Quiescent current	approx. 30 mA
Weight	approx. 140 g
Dimensions	W: 27 mm H: 93 mm D: 112 mm

FX808340



Network card essernet module 62.5 kBd for FlexES Control

Network module for up to 16 network devices. Plastic protective housing with LED displays for speedy indication of the operating status.

Topology: loop configuration, short circuit and wire break tolerance.

Technical Data

Operating voltage	24 V DC
Quiescent current	approx. 37 mA
Weight	approx. 100 g
Cable length	1000 m
Cable	telecommunications cable I Y (St) Y n x 2 x 0.8mm or similar
Dimensions	W: 27 mm H: 93 mm D: 112 mm

FX808341



Network card essernet module 500 kBd for FlexES Control

Network module for up to 31 network devices. Plastic protective housing with LED displays for quick summary of the operating status.
Topology: loop configuration, short circuit and wire break tolerance.

Technical Data

Operating voltage	24 V DC
Quiescent current	approx. 37 mA
Weight	approx. 100 g
Cable length	1000 m
Cable	IBM type 1 or similar
Dimensions	W: 27 mm H: 93 mm D: 112 mm

FX808328.RE



Redundant control module for FlexES Control

Redundant control module for highest reliability of FlexES Control. Automatic switch-over to overtake all functions of primary control module in case of CPU failure/fault.

Technical Data

Weight	approx. 270 g
Dimensions	W: 27 mm H: 202 mm D: 112 mm



EMC emission: Class A for individual application at redundant operation complies with EMC policy 2004/108/EG.





744444

NEW



Supporting rails for wall mounting

Assembly and supporting frame for wall mounting of fire alarm control panels IQ8Control, ES Line, Compact and FlexES Control with three respective housing parts. Easy alignment and fastening to a supporting wall by means of horizontal spacing struts, which can be removed after installation in order to simplify the cabling behind the housings. Cabling can be led along the side as cable and installation ducts behind the FACCP with additional cable entrances. The FACCP housing and frame are fastened to each other with metric screws. The arrangement of the cage nuts corresponds to the attachment points for IQ8Control, ES Line, Compact and FlexES Control.

-  1 x Traverse left
-  1 x Traverse right
-  2 x Spacing struts
-  12 x Cage nuts

789303



Extension housing for IQ8Control and FlexES Control


The standard extension housing can be used to mount additional modules, e.g. esserbus transponders.

Technical Data

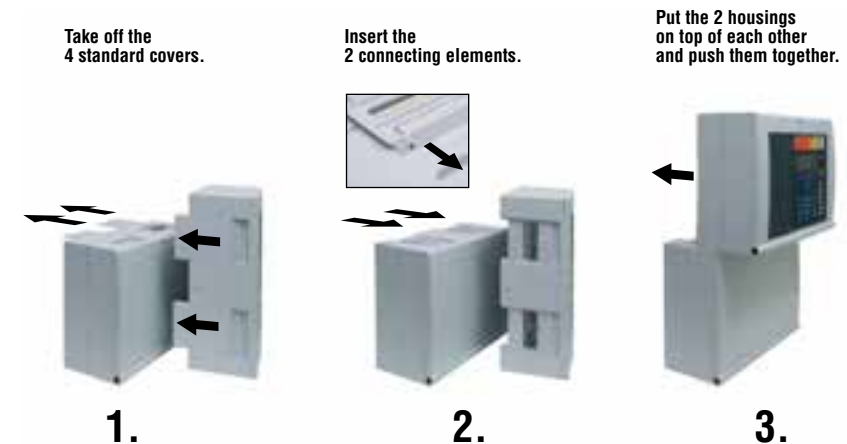
Ambient temperature	-5 °C ... 45 °C
Storage temperature	-10 °C ... 50 °C
Type of protection	IP30
Housing	ABS plastic, 10% glass fiber reinforced, V - 0
Color	gray similar to Pantone 538
Weight	approx. 5 kg
Dimensions	W: 450 mm H: 320 mm D: 185 mm

Features

- For the installation of up to 6 transponders and FO converters with installation kit (Part No. 788605).

-  Housing complete with standard rear panel, neutral front and material for attaching to the existing control panel housing.

Assembling the housing parts



Connection between the central housing and the extension housing

FX808338

NEW

Expansion housing with 2 DIN rails

Control panel expansion housing with 2 DIN rails for inserting essernet switches, fiber optic converters, couplers in cap rail enclosures etc. For application-oriented completion and expansion of fire alarm systems.

743248

Lever lock with 2 keys (No. 901)

To lock and unlock the HMI, housing and printer frame respectively of fire alarm panels 2001, 8007, 8008, 8000 C/M, IQ8Control C/M, FlexES and extinguishing panel 8010.



Two keys and one cylinder lock.

769915

Spare keys (No. 901)

For HMI, housing and printer frame respectively of fire alarm panels 2001, 8007, 8008, 8000 C/M, IQ8Control C/M, FlexES and extinguishing panel 8010.



Two keys.



Extinguishing Control Panels

Wall Mounting/System 8010

60

19" Rack/System 8010

61-63

Wall Mounting/System 8010



Approval: VdS

Addressable control device with integrated fire detection module for one extinguishing area (e.g. CO₂, FM 200, Hi Expansion foam, Water Mist and Inert Gas, etc.) compliant with VdS 2496 and EN 12094-1. The extinguishing panel 8010 is an electronic control device for extinguishing systems with integrated fire detection module, compatible with series 9200 and IQ8Quad detectors. It is additionally provided with respective detection zones for manual alarm, post flooding and emergency stop as well as two zones for extinguishing system fault. Complex control functions can be realized by using the 13 control groups (relays). Up to 8 extinguishing areas on the esserbus of the fire detection system communication transponders (optional). A maximum of 16 communication transponders can be networked for each FACP 8000 C/M, IQ8Control 8000, or IQ8Control via the (Part No. 808615).

Features

- 1 Extinguishing area for max. 1,600 m² acc. to VdS
- 8 detector zones for up to 30 series 9200 and IQ8Quad automatic detectors each (for two-detector dependency up to 25 detectors)
- 1 zone for manual alarm
- 1 zone for emergency stop
- 1 zone for post flooding
- 1 zone for extinguishing system fault
- 1 zone for blocking extinguishing system
- 1 control input for buzzer OFF
- 1 control input for control panel reset
- 8 relays, monitored or floating 30V DC/2A
- 3 relays, floating 30V DC/2A
- 2 mains voltage relays, floating 230V AC/2A
- All outputs are provided with fuses

Technical Data

Rated voltage	230 V AC
Rated frequency	50 ... 60 Hz
Rated current	0.7 A
Quiescent current	approx. 100 mA
Battery capacity	2 x 12 V/24 Ah
Ambient temperature	-5 °C ... 45 °C
Storage temperature	-10 °C ... 50 °C
Air humidity	< 95 % non condensing
Type of protection	IP 30
Housing	sheet steel approx. 1.25 mm
Color	gray (similar to RAL 7035), blue (similar to RAL 5003)
Weight	approx. 18.3 kg (without battery)
Dimensions	W: 488 mm H: 625 mm D: 210 mm
Declaration of Performance	DoP-20223130701



The free programming software can be downloaded from our website (downloads section).

Accessories

Indicating and operating unit 7884xx (stand alone operation mode required), esserbus communication transponder 808615, control zone indicator and alarm counter 788016, and USB programming cable 789866.

788012.40



Extinguishing panel 8010, Series 4, w/o operating unit

Corresponding indication and operating panel available in different languages, which can be found in "Options for Extinguishing Control Panels 8010 Wall Mounting".

Phase out date: 01.01.2014

788013.40



Extinguishing panel 8010, Series 4, with operating unit, German

Same as 788012.40, but with operating unit (Part No. 788400).

Phase out date: 01.01.2014

Features


- 8 detector zones for up to 30 series 9200 or IQ8Quad automatic fire detectors per detector zone (max. 25 detectors in two-detector dependency)
 - 1 detector zone manual alarm
 - 1 detector zone emergency stop
 - 1 detector zone post flooding
 - 1 detector zone blocked extinguishing system
 - 1 control input buzzer off
 - 1 control input reset control panel
 - 8 monitorable relays 30 V DC /2A
 - 3 floating relays 30 V DC /2A
 - 2 relays for mains voltage 230 V (connection at the back)
 - Each output is protected by fuses
 - Electronically controlled exhauster control
- Operating unit:**
- 13 LED-indication with inscription fields for indicating activated outputs
 - Mechanical alarm counter
 - LED display to indicate the detector zone status
 - LED collective display
 - Keypad can be intuitively handled
 - Key operated switch for keypad activation
 - Emergency current supply 2 batteries 12 V/12 Ah (not supplied as standard)

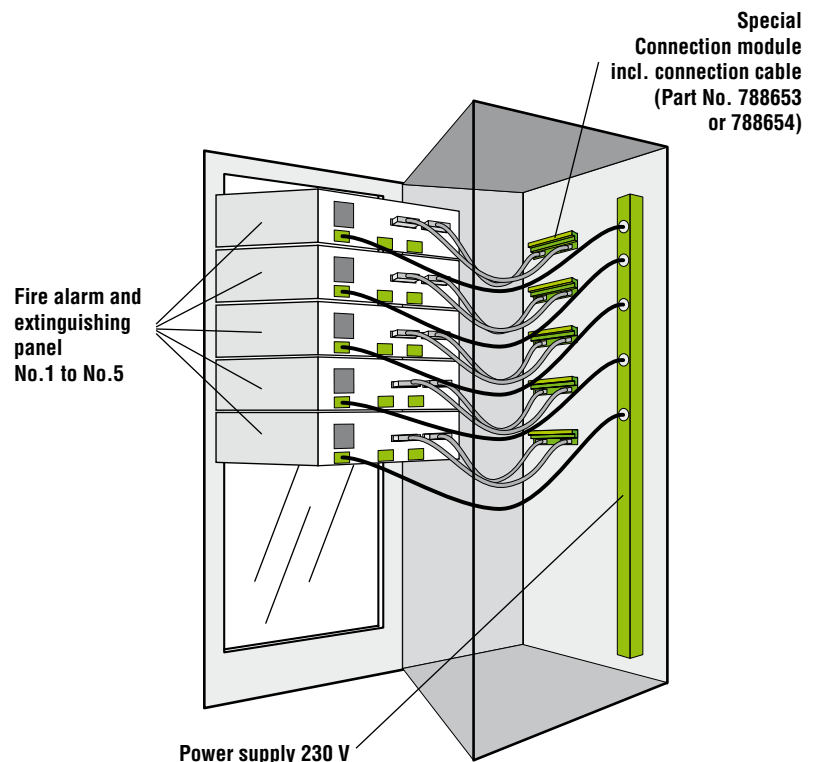
Addressable EN 12094-1 extinguishing panel for extinguishing zone control in compliance with VdS 2496, with integrated fire detection unit and optional convenient operating and indicating panel.

The slide-in concept enables space-saving, ergonomic integration into a 19" housing for installation heights of only 3 height units (13.34 cm). Peripherals are connected at the back of the housing via plug-in cable connections to accessible connection terminals, allowing convenient installation within the housing before the insert is integrated. With the communication transponder (Part No. 808615), a maximum of eight extinguishing control panels can be networked on one esserbus or powered loop in fire alarm systems FACP 8000 or IQ8Control. Using the programming interface plugged to the front, the extinguishing panel settings can be adjusted to the specific requirements and information can be transferred for visualizing the master fire alarm system via the loop.

Technical Data

Rated voltage	230 V AC
Rated frequency	50 ... 60 Hz
Rated current	0.7 A
Quiescent current	approx. 100 mA
Battery capacity	2 x 12 V DC/12 Ah
Ambient temperature	-5 °C ... 45 °C
Storage temperature	-10 °C ... 50 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 30
Housing	sheet steel
Dimensions	W: 483 mm H: 132 mm D: 403 mm (without grip)
Declaration of Performance	DoP-20223130701

 The use of heavy duty rails from the respective cabinet manufacturer is recommended for installation in 19" upright cabinets.



Installation of multiple extinguishing panels in one upright cabinet

788014.40

Extinguishing control panel, Series 4, German



Approval: VdS

Extinguishing panel as per 12094 for extinguishing zone control in compliance with VdS 2496, with integrated fire detection unit and optional convenient operating and indicating panel. The slide-in concept enables space-saving, ergonomic integration into a 19-inch housing for installation heights of only 3 height units (13.35 cm). Peripherals are connected at the back of the housing via plug-in cable connections to accessible connection terminals, allowing convenient installation within the housing before the insert is integrated. With the communication transponder (Part No. 808615), a maximum of eight extinguishing control panels can be networked on one esserbus or powered loop in Fire Alarm Systems FACP 8000 or IQ8Control. Via the programming interface plugged to the front, the extinguishing panel settings can be adjusted to the specific requirements and information can be transferred for visualising to the master fire alarm system via the loop.

Phase out date: 01.01.2014

Accessories

- 788653 Terminal card for panel 8010 in 19" technology (3 HU), 1 m
- 788654 Terminal card for panel 8010 in 19" technology (3 HU), 2 m

788014.40.GB

Extinguishing control panel, Series 4, English



Approval: VdS

Same as 788014.40, but English version.

Phase out date: 01.01.2014

Accessories

- 788653 Terminal card for panel 8010 in 19-inch technology (3 HU), 1 m
- 788654 Terminal card for panel 8010 in 19-inch technology (3 HU), 2 m

788015.40

Extinguishing control panel, Series 4



Approval: VdS

Phase out date: 01.01.2014

Accessories



- 788653 Terminal card for panel 8010 in 19" technology (3 HU), 1 m
- 788654 Terminal card for panel 8010 in 19" technology (3 HU), 2 m

Accessories for Extinguishing Control Panels 8010 in 19" Racks

788653

Terminal card for panel 8010 in 19" rack, 1 m



-  Length of plug-in connection cables: 1 m
-  2 x 50-pin connection cable 1m D-Sub50
- 1 x Terminal card for top hat rail or C-rail mounting with D-Sub pin connectors
- 1 x Terminal card for top hat rail or C-rail mounting with D-Sub multi-point connectors

788654

Terminal card for panel 8010 in 19" rack, 2 m



Same as 788653, but plug-in connection cable with 2 m length.

788400

Indicating and operating panel for ECP 8010, German



Integrated detector zone indication in German. Can be set to status indication for control outputs. LED for relevant extinguishing system function indication.

Phase out date: 01.01.2014

788401

Indicating and operating panel for ECP 8010, English

Same as 788400, but English.


Phase out date: 01.01.2014

788016

Option control group indication and alarm counter for ECP 8010, German



Additional LEDs for indicating activated control outputs and mechanical alarm counter. The indicators are mounted to the second recess of the 8010 releasing control equipment. The PCB connection cable is connected to the (Part No. 788400) indicating and operating panel.

 Foil with German description

Phase out date: 01.01.2014

788023.10

Multiple-sector interface in housing



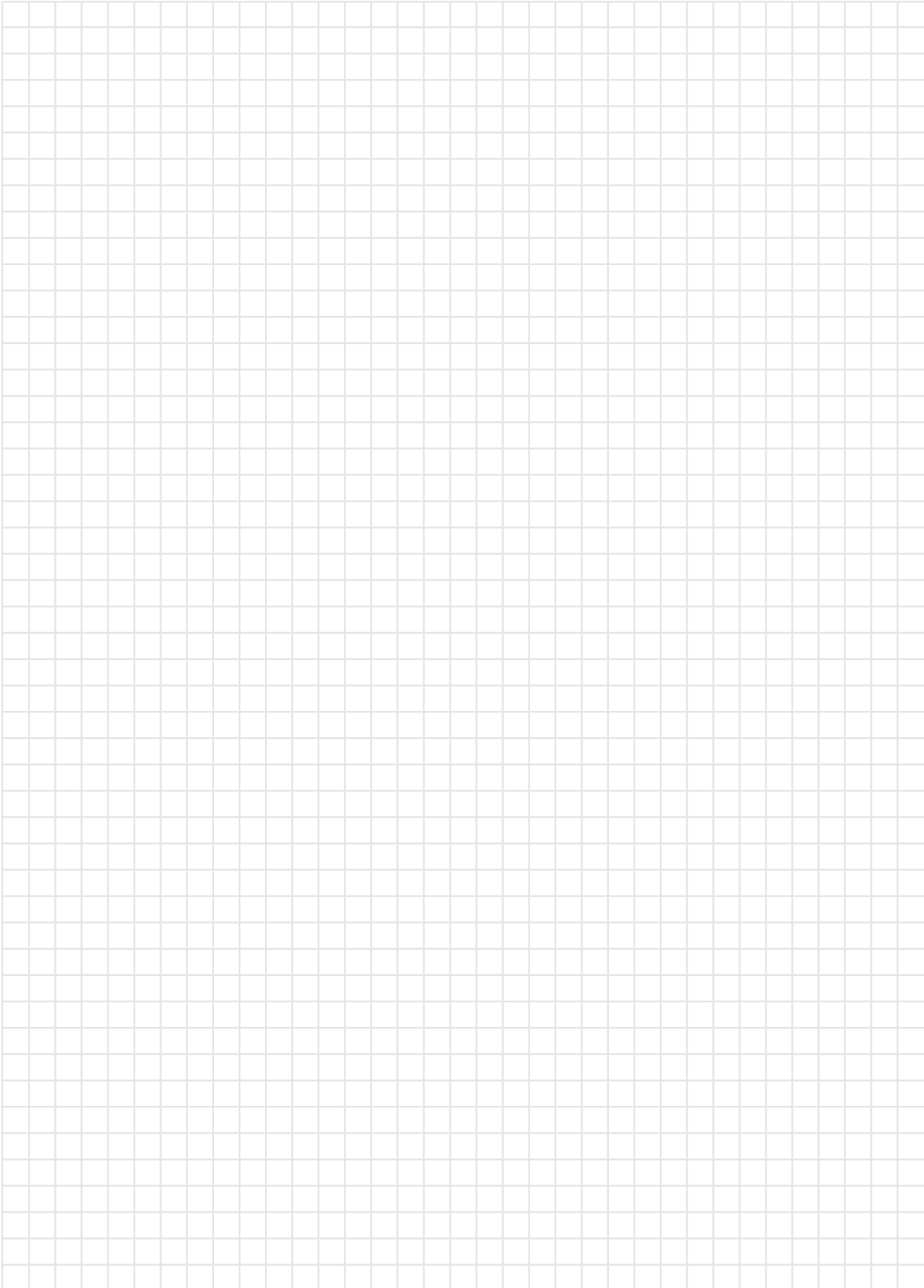
Approval: VdS

For the formation of multiple-sector control, up to four extinguishing panels 8010 can be networked via a multiple-sector interfaces. The cascading of a max. of 3 multiple-sector interface is possible for multi-sector control of a max. of 10 extinguishing panels 8010.

Technical Data

Declaration of Performance

DoP-21170130701





Displays and Operating Units

System IQ8Control

66-68

System ES Line, Compact, FlexES Control

69-70

Printers

71

LED Indicator Panel

764790

Standard LED remote indicator panel




Approval: VdS

Additional indicator for up to 32 alarm, trouble or collective signals. Connection via an integrated 32-pin terminal strip. The indicator is controlled via relay contacts or semiconductor outputs with positive-guided contacts in the hazard detection system. With key for lamp testing, integrated buzzer and easy-to-maintain terminal card. Elegant plastic housing for surface mounting.

Technical Data

Operating voltage	10 ... 15 V DC
Quiescent current @ 12 V DC	approx. 1 mA
Alarm current @ 12 V DC	approx. 380 mA (incl. 32 LED & buzzer)
Display	32 LED, red
Connection terminal	max. 1.5mm ²
Ambient temperature	-5 °C ... 50 °C
Storage temperature	-25 °C ... 75 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 40
Housing	ABS plastic
Color	white (similar to RAL 9003), front blue (similar to RAL 5003)
Weight	approx. 1000 g
Dimensions	W: 270 mm H: 221 mm D: 71 mm

 This indicator panel is not suitable for application as an initial warning device for the fire brigade.

804791

Loop LED remote indicator panel for 32 messages




Approval: VdS

Same as 764790, but with integrated and wired esserbus transponder 32 LEDs for operation as a remote indicating panel for the esserbus. For connection to the esserbus and powered loop in fire alarm systems 8000 and IQ8Control.

Technical Data

Operating voltage	10 ... 15 V DC
Quiescent current @ 12 V DC	approx. 1 mA
Alarm current @ 12 V DC	approx. 380 mA (incl. 32 LED & buzzer)
Display	32 LED, red
Connection terminal	1.5 mm ²
Ambient temperature	-5 °C ... 50 °C
Storage temperature	-25 °C ... 75 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 40
Housing	ABS plastic
Color	white (similar to RAL 9003), front blue (similar to RAL 5003)
Weight	approx. 1000 g
Dimensions	W: 270 mm H: 221 mm D: 71 mm

 Isolator (Part No. 788612) not included, please order separately.
This indicator panel is not suitable for application as an initial warning device for the fire brigade.

LCD Indicator Panel

785103

LCD indicator panel, German




Features

- Display of zone and detector status information of the FACP with additional text
- Event memory for 200 messages
- Free programming of up to max. 4,000 additional texts, each with 2 x 20 characters
- Sequential message interrogation via scroll keys
- Monitoring of the serial interface
- Internal buzzer, can be switched off via key
- Function test of the display elements
- Potential-free relay, programmable for the modes deactivated, fault, intermittent operation,
- ON-OFF operation

The LCD indicator panel is used as an add-on device for the remote display of FACP status information of the System 8000 IQ8Control and FlexES Control relating to detectors and detector zones. Event messages are displayed via LED collective indicators and on the 2-line LCD display with the associated detector zone number and a programmable additional text. Each message is signaled via the built-in buzzer. The buzzer can be acknowledged by pressing a button. Up to 31 LCD indicator panels can be operated on an RS 485 bus, either directly on the RS 485 interface of the basic card of FACP 8007/8000C/8000M/IQ8Control or using a common RS 485 converter (e.g. RS 232/RS 485 converter Part No. 764852) on another serial interface (e.g. RS 232). In connection with panel 8008, only possible with RS 232/TTY micromodule (Part No. 784842) and RS 232/RS 485 converter (Part No. 764852). In connection with FlexES Control, only possible with RS 232/TTY converter 764856. The additional texts are programmed using the tools 8000 software package and a service PC connected via the Part No. 789862.10 programming interface.

Technical Data

Operating voltage	9 ... 30 V DC
Quiescent current	approx. 30 mA
Alarm current @ 12 V DC	approx. 60 mA
Contact load relay	30 V DC / 1A (potential free)
Ambient temperature	0 °C ... 45 °C
Storage temperature	0 °C ... 50 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 30
Housing	plastic (ABS)
Color	white, similar to RAL 9001
Weight	approx. 750 g
Dimensions	W: 206 mm H: 177 mm D: 48.5 mm

 This indicator panel cannot be used as an initial warning device for the fire brigade.

785101

LCD indicator panel, English



Features

- Display of zone and detector status information of the FACP with additional text
- Event memory for 200 messages
- Free programming up to a max. of 4,000 additional texts, each with 2 x 20 characters
- Sequential message interrogation via scroll keys
- Monitoring of the serial interface
- Internal buzzer, can be switched off via key
- Function test of the display elements
- Potential-free relay, programmable for the modes deactivated, fault, intermittent operation
- ON-OFF operation

The LCD indicator panel is used as an add-on device for the remote display of FACP status information of the System 8000 IQ8Control and FlexES Control relating to detectors and detector zones. Event messages are displayed via LED collective indicators and on the 2-line LCD display with the associated detector zone number and a programmable additional text. Each message is signaled via the built-in buzzer. The buzzer can be acknowledged by pressing a button. Up to 31 LCD indicator panels can be operated on an RS 485 bus, either directly on the RS 485 interface of the basic card of FACP 8007/8000C/8000M/IQ8Control or using a common RS 485 converter (e.g. RS 232/RS 485 converter Part No. 764852) on another serial interface (e.g. RS 232). In connection with panel 8008, only possible with RS 232/TTY micromodule (Part No. 784842) and RS 232/RS 485 converter (Part No. 764852). In connection with FlexES Control, only possible with RS 232/TTY converter 764856. The additional texts are programmed using the tools 8000 software package and a service PC connected via the Part No. 789862.10 programming interface.

Technical Data

Operating voltage	9 ... 30 V DC
Quiescent current	approx. 30 mA
Alarm current @ 12 V DC	approx. 60 mA
Ambient temperature	0 °C ... 45 °C
Storage temperature	0 °C ... 50 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 30
Housing	plastic (ABS)
Color	white, similar RAL 9001
Weight	approx. 750 g
Dimensions	W: 206 mm H: 177 mm D: 48.5 mm

785104

LCD indicator panel, Italian

Same as 785101, but Italian version.

785114

LCD indicator panel, Dutch

Same as 785101, but Dutch version.

Adapter Modules

784753

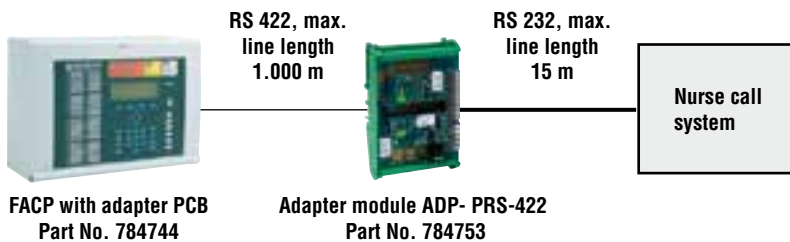
Adapter module ADP-PRS-422



Additional module for connecting a paging system to a series 8000/IQ8Control fire alarm system with ADP-N3E. To connect the paging system via an electrically isolated RS 232 interface, an ADP-PRS-422 is used.

Technical Data

Operating voltage	8 ... 30 V DC
Quiescent current @ 12 V DC	approx. 5 mA
Dimensions	W: 100 mm H: 80 mm D: 20 mm



Repeater panels for FlexES System

FX808460




Touchscreen operating unit, surface mount

Full active high-quality remote display and operating unit for FlexES FACP. System operation is interoperable and intuitive with a touch-sensitive 7" colored display. Individual access levels can be activated with a key code. Software addressing allows using the operating unit together with fire brigade indicating panels and fire brigade operating units on the RS 485 BUS.

Technical Data

Operating voltage	12 ... 30 V DC
Current consumption @ 24 V DC	approx. 500 mA
Resolution	800 x 480 pixel
Screen diagonal	17.78 cm
Ambient temperature	-5 °C ... 45 °C
Storage temperature	0 °C ... 50 °C
Air humidity	< 95 % (non-condensing)
Weight	approx. 2050 g
Cable length	700 m
Dimensions	W: 270 mm H: 221 mm D: 71 mm

 The touch display and operating unit cannot be used behind the adapter module ADP-N3E-EDP. The device must be externally power-supplied.

Languages supported: German, German (Austria), English, Russian (Cyrillic), Flemish (Belgium), Walloon (Belgium), Czech, Romanian, Turkish, Polish, Slovakian, French (France)

FX808461.10




Touchscreen operating unit, cavity wall mount

Same as FX808460, but for cavity wall mounting.

Technical Data

Operating voltage	0 ... 0 V DC
Current consumption @ 24 V DC	approx. 0 mA
Resolution	800 x 480 pixel
Screen diagonal	17.78 cm
Ambient temperature	-5 °C ... 45 °C
Storage temperature	0 °C ... 50 °C
Air humidity	< 95 % (non-condensing)
Weight	approx. 1220 g
Cable length	700 m
Dimensions	W: 203 mm H: 147 mm D: 5 mm (front panel)

 The touch display and operating unit cannot be used behind the adapter module ADP-N3E-EDP. The device must be externally power-supplied.

Languages supported: German, German (Austria), English, Russian (Cyrillic), Flemish (Belgium), Walloon (Belgium), Czech, Romanian, Turkish, Polish, Slovakian, French (France)

Accessories

FX808462 Cavity wall mounting

FX808462



Cavity wall mounting kit for touchscreen operating unit

Hot-dip galvanized sheet metal mounting frame for cavity wall or pedestal mounting to accommodate the touchscreen operating unit Part No. FX808461.10. The fixing of the mounting frame by two clamping screws. The kit cannot be used for touch repeater panel Part No. FX808461.

Technical Data

Weight	approx. 230 g
Dimensions	W: 195 mm H: 140 mm D: 79 mm

LCD Indicator Panels

FX808384



Central remote indicator ZPA 3000, surface mounted, German

Central remote indicator in aesthetic surface-mounted plastic housing as additional display for the fire alarm system. The connection to FlexES Control is made via a serial interface of the FACP. Plain text message with a capacity of 4 lines with 20 characters each is possible. Two messages can be displayed simultaneously. 4,000 texts (1,300 in selective mode) are programmable. If no additional texts are configured, a standard text will be generated.

One ZPA 3000 can be connected to each FlexES interface RS 485; so in total two ZPA 3000 per FlexES FACP are possible.

Optionally: up to 16 ZPA 3000 connected via adapter module ADP-N3

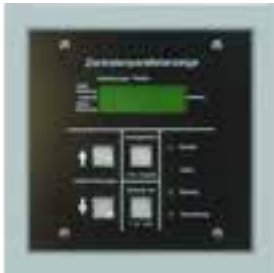
Technical Data

Operating voltage	10 ... 30 V DC
Alarm current @ 12 V DC	approx. 100 mA
Ambient temperature	-5 °C ... 45 °C
Storage temperature	-10 °C ... 50 °C
Air humidity	< 95 % (non-condensing)
Weight	approx. 1.5 kg
Cable length	700 m
Dimensions	W: 223 mm H: 273 mm D: 54 mm



CD-ROM with programming software FAT ProgWin (Languages: German, English)

FX808385



Central remote indicator ZPA 3000, flush mounted, German

Central remote indicator in aesthetic flush-mounted aluminum housing as additional display for the fire alarm system. The connection to FlexES Control is made via a serial interface of the FACP. Plain text message with a capacity of 4 lines with 20 characters each is possible. Two messages can be displayed simultaneously. 4,000 texts (1,300 in selective mode) are programmable. If no additional texts are configured, a standard text will be generated.

Technical Data

Operating voltage	10 ... 30 V DC
Alarm current @ 12 V DC	approx. 100 mA
Ambient temperature	-5 °C ... 45 °C
Storage temperature	-10 °C ... 50 °C
Air humidity	< 95 % (non-condensing)
Weight	approx. 3.5 kg
Cable length	700 m
Dimensions	W: 193 mm H: 190 mm D: 60 mm (installation) W: 230 mm H: 230 mm D: 60 mm (outside)



CD-ROM with programming software FAT ProgWin (Languages: German, English)

FX808353

NEW



Compact control panel printer MEFA RS422

Continuous printer as a parallel recording device on a FlexES Control fire alarm control panel. Power is supplied via an external power adapter or optionally from the FACP. The printer can be mounted as a table printer or, depending on the wall-mounting bracket, on the wall, next to the FACP. The connection is made via the RS485 interface of the FlexES Control.

Technical Data

Operating voltage	12 ... 24 V DC
Quiescent current @ 12 V DC	approx. 4 mA
Current consumption @ 24 V DC	approx. 900 mA
Weight	approx. 0.55 kg
Dimensions	W: 110 mm H: 85 mm D: 155 mm

Accessories

Thermal paper 57 mm x 30 m

FX808354

NEW



Compact control panel printer MEFA TTY

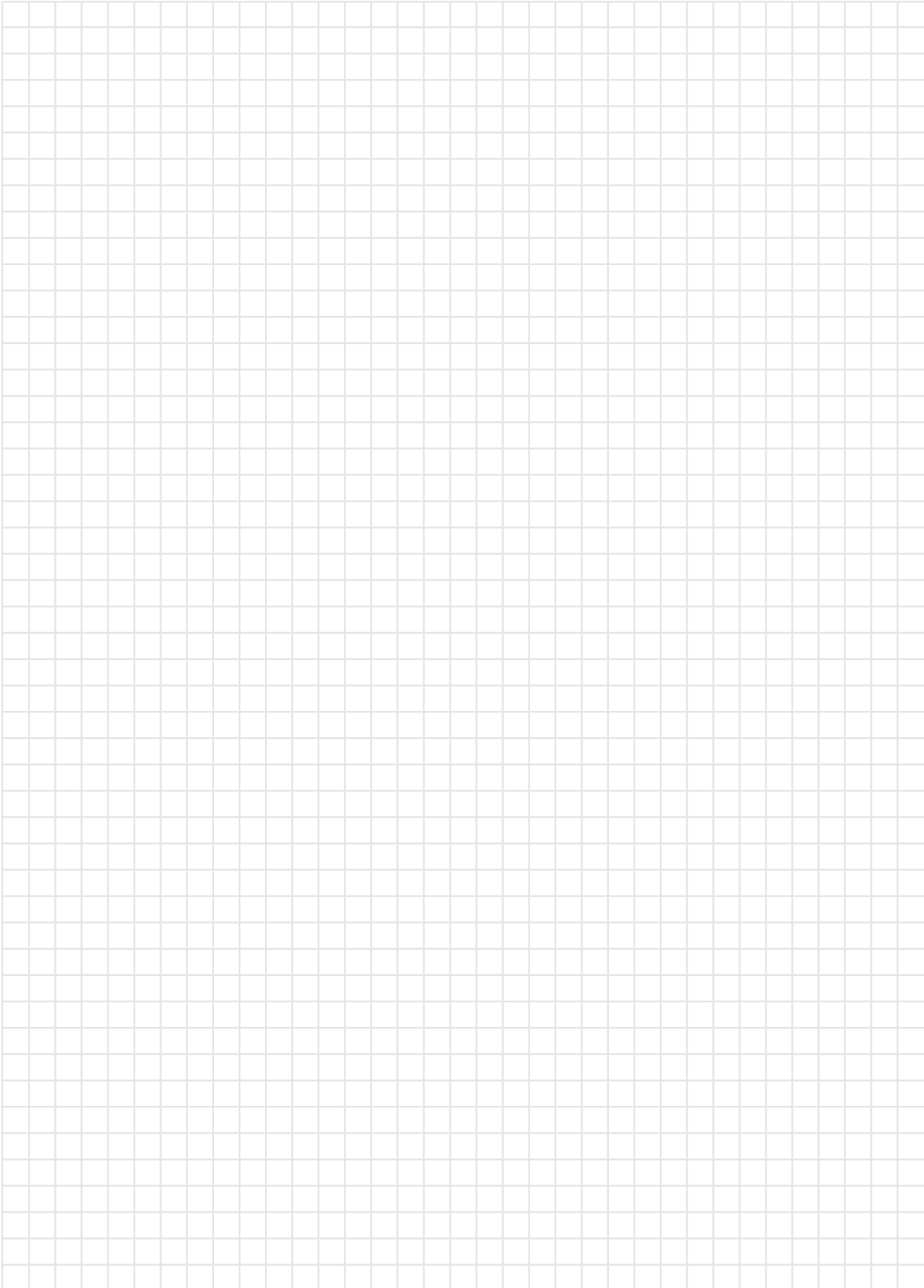
Continuous printer as a parallel recording device on a FlexES Control fire alarm control panel. Power is supplied via an external power adapter or optionally from the FACP. The printer can be mounted as a table printer or, depending on the wall-mounting bracket, on the wall, next to the FACP. The connection is made via the TTY interface of the FlexES Control.

Technical Data

Operating voltage	12 ... 24 V DC
Quiescent current @ 12 V DC	approx. 4 mA
Current consumption @ 24 V DC	approx. 900 mA
Weight	approx. 0.55 kg
Dimensions	W: 110 mm H: 85 mm D: 155 mm

Accessories

Thermal paper 57 mm x 30 m





Power Supplies

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Power Supply Units

805683



Features

- Reversible output voltage 12 V DC or 24 V DC
- Simple integration into esserbus®/esserbus®-Plus
- Internal service LED displays
- Four floating relay outputs
- Monitoring of mains voltage with selectable delay time
- Individual battery monitoring for emergency power operation
- Switchable ground fault monitoring
- Front door with cover contact
- in compliance with EN 54-4/A2
- for use in voice alarms to supply recessed components, such as at fiber optic recessed callstations


External power supply DCU 2403


Approval: G 210052

External power supply in a compact metal housing for up to two 12 V / 24 Ah batteries. This power supply facilitates an uninterruptable supply of power. Integration into the esserbus®/esserbus®-Plus optional via optional adapter card (Part No. 805684.10) and esserbus® Transponder (Part No. 808623). Four floating relay outputs are available for the transmission of disturbances (power failure, ground fault, battery failure and collective fault). External LED display for operation and collective fault on the lockable front door, internal LEDs for detailed recognition of emergency power operation, individual monitoring of battery failure and ground fault.

Technical Data

Rated voltage	230 V AC
Rated frequency	50 ... 60 Hz
Output voltage	12 V DC / 24 V DC; $\pm 1\%$ (temperature controlled)
Output current	6 A @ 12 V DC / 3 A @ 24 V DC
Battery capacity	max. 48 Ah @ 12 V DC / max. 24 Ah @ 24 V DC
Contact load relay	max. 125 V / 1,5 A / 60 VA
Ambient temperature	-5 °C ... 40 °C
Storage temperature	-20 °C ... 45 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 30
Housing	sheet steel
Color	gray, similar to RAL 7035
Weight	approx. 23 kg incl. batteries each 12 V DC / 24 Ah
Dimensions	W: 310 mm H: 410 mm D: 211 mm
Declaration of Performance	DoP-20960130701

 Batteries used in the power supply must be tested and VdS approved. Batteries of the same age from the same manufacturer coming from the same production batch must be used when connecting batteries in parallel.

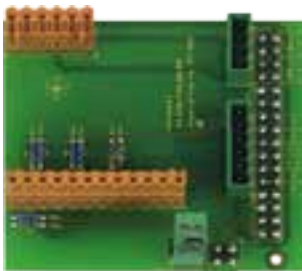
 Pre-installed connector cable for 12 V / 24 Ah SB-type battery (Part No. 018006)
Housing lock with key
Device accessory kit contains: dummy cover, jumper bar for standby terminal, device fuses, jumper for setup of output voltage

Accessories

805684.10 Adapter card for DCU 2402

808623 esserbus® alarm transponder

805684.10



Features

- Tool-free mounting of the adapter card and esserbus couplers on the external power supply DCU 2403
- Automatic presetting of the coupler inputs for transmission of disturbances to the FACP

Adapter for DCU 2403

Plug-in adapter card for the external power supply unit (Part No. 805683) for integration into the esserbus/esserbus-Plus.

The adapter card is used to house an esserbus alarm transponder (Part No. 808623).

When the esserbus transponder is plugged into the adapter card, the detector zones are automatically pre-assigned for fault signaling.

The relay outputs are freely available and can either be monitored or used for standard-compliant control of conventional alarm devices.

Voltage Converters

781335

DC/DC converter 12 V/24 V DC



Approval: VdS

This converter generates 24 V as power supply for special detectors. The input voltage of 12 V is taken from the FACP or an external 12 V power supply. Mounted inside the FACP (mounting kit Part No. 788605), this module can supply up to 4 special detectors with a maximum current of 125 mA each or 1 special detector with 500 mA. This module can be integrated in cabinets (Part No. 120240, 788600 and 788601). Please pay attention to the primary current consumption (12 V) in case of mains failure.

Features

- Each output is separately fused

Technical Data

Operating voltage	9 ... 15 V DC
Output voltage	24 V DC \pm 10 %
Output current	max. 500 mA (4 x 125 mA)
Ambient temperature	-10 °C ... 50 °C
Storage temperature	-15 °C ... 55 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 40 (housing)
Weight	approx. 150 g
Dimensions	W: 65 mm H: 72 mm D: 20 mm
Declaration of Performance	DoP-20616130701

781336

DC/DC converter output voltage 12 V DC



Approval: VdS


This converter generates 12 V as "electrically isolated" power supply for one special detector. The input voltage of 12 V is taken from the FACP or an external power supply. This module can be integrated in cabinets (Part No. 120240, 788600, 788601 and 788603.10). Please pay attention to the primary current consumption (12 V) in case of mains failure.

Features

- Direct current potentials are electrically isolated
- Voltage interface, for instance, for operating transponders connected to an extinguishing control panel 8010 Series 3 configured for 12 V DC operation
- Suitable for max 1.5 mm² connection terminals
- Short circuit resilient

Technical Data

Operating voltage	10 ... 28 V DC
Output voltage	12 V DC \pm 10 %
Output current	max. 800 mA
Ambient temperature	-10 °C ... 50 °C
Storage temperature	-15 °C ... 55 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 40 (housing)
Weight	approx. 70 g
Dimensions	W: 65 mm H: 72 mm D: 20 mm
Declaration of Performance	DoP-20617130701

 The module can also be used in explosion endangered zones for the galvanic separation of the esserbus voltage supply.

781337

DC/DC converter output voltage 24 V DC



Approval: VdS

This converter generates 24 V as power supply for one special detector. The input voltage of 12 V is taken from the FACP or an external power supply. This module can be integrated in cabinets (Part No. 120240, 788600, 788601 and 788603.10). Please pay attention to the primary current consumption (12 V) in case of mains failure.

Features

- Direct current potentials are electrically isolated
- Suitable for max 1.5 mm² connection terminals
- Short circuit resilient

Technical Data

Operating voltage	10 ... 28 V DC
Output voltage	24 V DC \pm 10 %
Output current	max. 400 mA
Ambient temperature	-10 °C ... 50 °C
Storage temperature	-15 °C ... 55 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 40 (housing)
Weight	approx. 70 g
Dimensions	W: 65 mm H: 72 mm D: 20 mm
Declaration of Performance	DoP-20617130701

Batteries (Rechargeable)

The listed lead storage battery are maintenance-free, sealed electrolyte batteries. They are relatively position-independent (should not be charged upside-down), deep-cycled, cycle-resistant and long-lasting (4 to 5 years). Charge voltage at an ambient temperature of +20°C: 12 V DC (6 x 2.3 V per cell) 13.8 volts, this can be subject to tolerances.

Technical data sheets are available on demand.



The batteries comply with the VDE 0833-1 regulations for hazard alarm systems and are VdS approved.

018001

Battery 12 V DC/1.2 Ah capacity

018002

Battery 12 V DC/2.1 Ah capacity

018004

Battery 12 V DC/7 Ah capacity

018011

Battery 12 V DC/12 Ah capacity


2 x Fast-on adapters from 6.3 mm to 4.3 mm

018006

Battery 12V DC/24Ah capacity


2x Fast-On Adapter from M6 by 6.3mm each 2x M5 hex bolt/washers and snap ring

018007

Battery 12 V DC/17 Ah capacity


2 x Fast-on adapters from M6 to 6.3mm each 2 x M5 hexagon head cap screws, washers and snap rings.

018009

Battery 12 V DC/38 Ah capacity


2 x Fast-on adapters from M6 to 6.3mm each 2 x M6 hexagon head cap screws, 4 x washers and snap rings.

Accessories

785753

Battery kit



Terminals for the connection of batteries with a minimum capacity of 12 Ah.

018051

9 V Alkaline manganese battery



805597

3.6 V Lithium battery



4 Lithium batteries for use in wireless detector base (Part No. 805593.10), wireless gateway for detectors (Part No. 805594.10) and wireless universal interface (Part No. 805601.10/805602.10).



4 pcs



Network

essernet

Multiprotocol Gateway

80-86

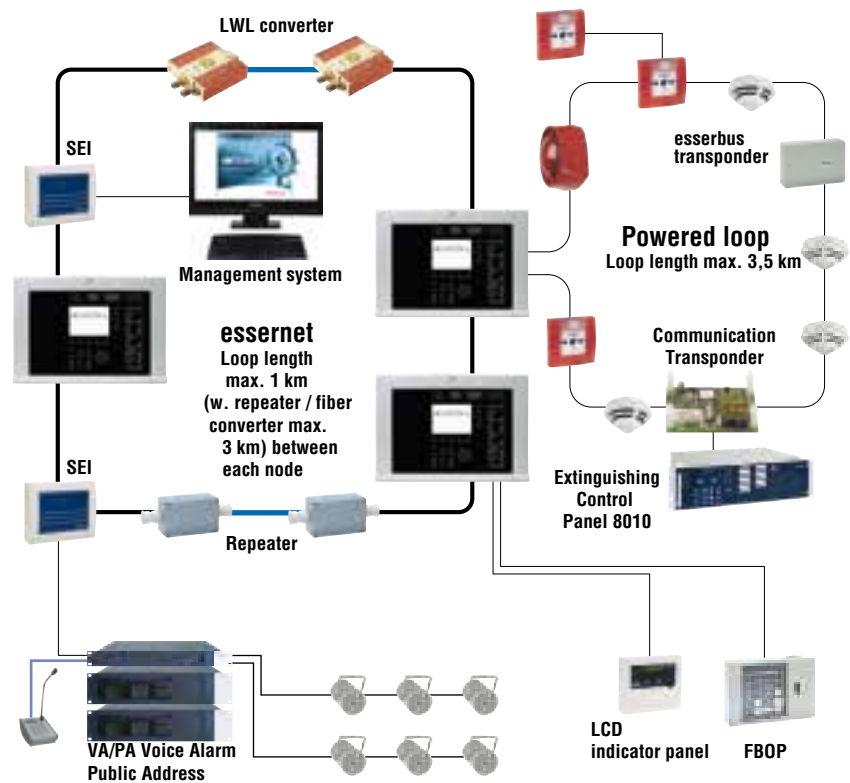
87-88

The essernet is a short circuit and open circuit resistant 2-wire backbone for networking fire detection and intrusion detection panels from the ESSER product range. The essernet permits both hierarchy-restricted and hierarchy-free programming of panels. The essernet has been tested and approved for the VdS. The hardware components are listed in the respective equipment approvals of the fire detection panels.

Up to 31 panels can be networked with each other in a ring loop. Superior functions and functions covering different panels can be programmed. The status of the entire system can be read off on anything from one to all panels as desired. Likewise, the system can be operated entirely from one panel.

Networking can be carried out via a simple telecommunication cable, e.g. IY-ST-Y 2 x 0.8 mm, with corresponding essernet module 62.5 kBd Part No. 784840.10 or using a data cable, e.g. IBM type 1 as well as CAT5 cable, with corresponding essernet module 500 kBd Part No. 784841.10 With the essernet repeaters, cable distances of up to 3000 m between two panels are possible. An optical waveguide fiber is possible with the converters, which are listed below.

Third-party or management systems (e.g. WINMAGplus) can be connected via the serial essernet interface.



Application example

784840.10

essernet® module, 62.5 kBd for IQ8Control



Network interface module for max. 16 network participants. Protocol: similar to DIN 19245-1 (Profibus) topology: Ring structure, interruption and short-circuit tolerance

Technical Data

Quiescent current @ 12 V DC	approx. 150 mA
Cable	telecommunications cable I Y (St) Y n x 2 x 0.8 mm
Cable length	1000 m (max. between 2 users)

784841.10

essernet® module, 500 kBd for IQ8Control



Network interface module such as essernet module Item no. 784840, however for max. 31 network participants.

Technical Data

Quiescent current @ 12 V DC	approx. 150 mA
Cable	IBM type 1,2,6 or similar (e.g. BELDEN 1634A)
Cable length	1000 m (IBM Typ1 max. between 2 users), max. 400 m when Cat3 cable or higher

FX808340

Network card essernet module 62.5 kBd for FlexES Control



Network module for up to 16 network devices. Plastic protective housing with LED displays for speedy indication of the operating status.
Topology: loop configuration, short circuit and wire break tolerance.

Technical Data

Operating voltage	24 V DC
Quiescent current	approx. 37 mA
Cable	telecommunications cable I Y (St) Y n x 2 x 0.8mm or similar
Cable length	1000 m (max. between 2 users)
Weight	approx. 100 g
Operating voltage	24 V DC
Dimensions	W: 27 mm H: 93 mm D: 112 mm

FX808341

Network card essernet module 500 kBd for FlexES Control



Network module for up to 31 network devices. Plastic protective housing with LED displays for quick summary of the operating status.
Topology: loop configuration, short circuit and wire break tolerance.

Technical Data

Operating voltage	24 V DC
Quiescent current	approx. 37 mA
Cable	IBM type 1 or similar
Cable length	1000 m (max. between 2 users)
Weight	approx. 100 g
Operating voltage	24 V DC
Dimensions	W: 27 mm H: 93 mm D: 112 mm

784844.10

NEW

essernet redundant switch for IQ8Control



The essernet changeover switch allows the uninterruptable redundant changeover between trunk and spare line, if the essernet data line is disturbed. The switch is powered through the fire alarm control panel.

Technical Data

Operating voltage	8 ... 24 V DC
Current consumption @ 12 V DC	approx. 60 mA
Ambient temperature	-10 °C ... 70 °C
Storage temperature	-20 °C ... 80 °C
Type of protection	IP 65
Housing	die-cast aluminium
Air humidity	< 95 % (non-condensing)
Color	gray
Weight	approx. 730 g

784865

essernet repeater, 62.5 kBd



Approval: VdS

The essernet repeater increases the maximum distance between two FACP in the essernet by up to 1000 m. Standard telephone cables can be used as connection leads. Two repeaters can be operated in line.

Technical Data

Operating voltage	8 ... 18 V DC
Current consumption @ 12 V DC	approx. 100 mA
Ambient temperature	-10 °C ... 70 °C
Storage temperature	-20 °C ... 80 °C
Cable	telecommunications cable IY(St)Y n x 2 x 0.8 mm
Type of protection	IP65
Housing	die-cast aluminum
Air humidity	< 95 % (non-condensing)
Color	gray
Weight	approx. 520 g
Dimensions	W: 125 mm H: 60 mm D: 80 mm
Declaration of Performance	DoP-20619130701

784843

essernet repeater, 500 kBd**Approval: VdS**

Same as 784865, but with 500 kBd baud rate. IBM type 1, type 2 or type 6 cables can be used as connection leads.

Technical Data

Operating voltage	8 ... 18 V DC
Current consumption @ 12 V DC	approx. 100 mA
Ambient temperature	-10 °C ... 70 °C
Storage temperature	-20 °C ... 80 °C
Cable	IBM-Typ 1, -Typ 2 or -Typ 6
Type of protection	IP65
Housing	die-cast aluminum
Air humidity	< 95 % (non-condensing)
Color	gray
Weight	approx. 520 g
Dimensions	W: 125 mm H: 60 mm D: 80 mm
Declaration of Performance	DoP-20619130701



The corresponding Part No. 784841.10 essernet module must be ordered separately.

784763

FO converter for essernet, multimode, F-ST male

Fitted on locking device for C-rail mounting. Depending on the glass fiber used, distances of up to 3 km are possible. Suitable for 50/125 µm and 62.5/125 µm multimode fibers.

The device should be installed as close as possible to the FACP and the connecting cable should not be extended!

Technical Data

Operating voltage	9 ... 30 V DC
Current consumption @ 12 V DC	approx. 100 mA
Application temperature	-40 °C ... 85 °C
Storage temperature	-55 °C ... 125 °C
FO-Connector	F-ST
Type of protection	IP40
Air humidity	< 95 % (non-condensing)
Weight	approx. 100 g



Prefabricated connecting cable approx. 1.5 m included for connection to the essernet module in the FACP.

Features

- Two multi-mode fibers are required per network section.
- The fibers must be connected directly to each other (not via a multiplexer).
- Fiber optics type G50 / 125 µm = max. attenuation 6 dB corresponding to a length of approx. 2000 m
- Fiber type G62.5 / 125 µm = max. attenuation 9 dB corresponding to a length of approx. 3000 m.
- Up to 16 FOC connections per essernet network at a transfer rate of 62.5 kBd.
- Up to 31 connections per essernet network at a transfer rate of 500 kBd with LWL-converter from Index "A".

784764

FO converter for essernet, multi-mode, F-SMA male

Same as 784763, but with F-SMA male connection.

The device should be installed as close as possible to the FACP and the connecting cable should not be extended!

Technical Data

Operating voltage	9 ... 30 V DC
Current consumption @ 12 V DC	approx. 100 mA
Application temperature	-40 °C ... 85 °C
Storage temperature	-55 °C ... 125 °C
FO-Connector	F-SMA
Type of protection	IP 40
Air humidity	< 95 % (non-condensing)
Weight	approx. 100 g



Prefabricated connecting cable approx. 1.5 m included for connection to the essernet module in the FACP.

784766

FO converter for essernet, single-mode



Features

- Two mono-mode fibers are required per network section.
- The fibers must be connected directly without interruption (e.g. no connection via multiplexers permitted)
- Fiber type G9/125 µm
- max. permitted attenuation of 17 dB corresponds to a length of approx. 20 km or
- Fiber type G10/125 µm
- max. permitted attenuation of 17 dB corresponds to a length of approx. 20 km
- Up to 16 optical fiber paths per essernet network
- Possible with a transmission rate of 62.5 kBd
- Up to 31 optical fiber paths per essernet network are possible with a transmission rate of 500 kBd

The fiber optic converter for essernet, required to connect two single-mode fibers, must be installed directly into the control panel's housing. This is done by mounting it directly to the top-hat rail without any further mounting fixtures. Prefabricated connecting cable approx. 1.5 m included for connection to the essernet module in the FACP. The device should be installed as close as possible to the FACP and the connecting cable should not be extended!

Technical Data

Operating voltage	9 ... 30 V DC
Current consumption @ 12 V DC	approx. 70 mA
Current consumption @ 24 V DC	approx. 35 mA
Ambient temperature	-5 °C ... 50 °C
Storage temperature	-10 °C ... 55 °C
Wavelength	1300 nm
FO-Connector	F-ST
Type of protection	IP40
Housing	aluminum
Installation	mounting rail
Air humidity	< 95 % (non-condensing)
Weight	approx. 200 g
Dimensions	W: 55 mm H: 24 mm D: 105 mm

Max. optical loss per FO-segment (20 km):
E9/125 µm: 17 dB, E10/125 µm: 17 dB

Accessories

- 788602 Top hat rail
- 788652 Mounting rail for FACP 8000 and IQ8Control

784855

SEI serial essernet interface EDP, unidirectional



Features

- Serial data rate 19.2 kBd
- RS 485 interface on-board for a max. length of 1,000 m

The serial essernet interface can be used as a gateway to link remote computers that support the ESSER data protocol (EDP). The EDP version (unidirectional) is only provided with information from the essernet, remote control is not possible. The unit includes a slot for an essernet module and is therefore a fully functional unit within the short circuit and open circuit resistant essernet.

Technical Data

Operating voltage	10.5 ... 28 V DC
Current consumption @ 12 V DC	approx. 60 mA
Ambient temperature	-5 °C ... 50 °C
Storage temperature	-10 °C ... 50 °C
Air humidity	< 95 % (non-condensing)

The essernet micromodule and the interface module are not included and must be ordered separately in accordance with the required essernet type and the serial transmission standard.

Accessories

- 788606 Housing kit
- 772386 Interface-module RS 232/V 24
- 772387 Interface-module TTY/CL 20 mA
- 784840.10 essernet micromodule (62.5 kBd)
- 784841.10 essernet micromodule (500 kBd)

784856


SEI serial essernet interface EDP, bidirectional



Same as 784855, but bidirectional with remote control options e.g. for the connection to a Building Management System (BMS)

Technical Data

Operating voltage	10.5 ... 28 V DC
Current consumption @ 12 V DC	approx. 60 mA
Ambient temperature	-5 °C ... 50 °C
Storage temperature	-10 °C ... 50 °C
Air humidity	< 95 % (non-condensing)

 The essernet micromodule and the interface module are not included and must be ordered separately, depending on the type of essernet and the serial transmission mode.

Accessories


- 788606 Housing kit
- 772386 Interface module RS 232/24 V
- 772387 Interface module TTY/CL 20 mA
- 784840.10 essernet micromodule (62.5 kBd)
- 784841.10 essernet micromodule (500 kBd)

784859

8000 FACP remote SEI serial essernet interface




The serial essernet interface is a router with internal RS 485 interface for interfacing an 8000 fire alarm panel over relatively large distances e.g. subnetworks. Information from the connected fire alarm panel is received via a router/router link and made available in the host essernet. The first SEI is connected as Master and the second SEI as Slave. It has a slot for an essernet loop module and is thus an integral device in the short circuit and open circuit resistant essernet. For remote function, you can use the integrated RS 485 interface.

 The essernet micromodule and the interface module are not included and must be ordered separately, depending on the type of essernet and the serial transmission mode.

Features

- RS 485 interface on board for a max. length of 1,000 m

 770432 SEI setup

Accessories

- 788606 Housing kit
- 772386 Interface-module RS 232/V 24
- 772387 Interface-module TTY/CL 20 mA
- 784840.10 essernet micromodule (62.5 kBd)
- 784841.10 essernet micromodule (500 kBd)

583530

SEI serial essernet® interface VARIODYN D1 / FACP



Essernet®-Interface serial for connecting a VARIODYN® D1 System to the ESSER fire alarm technology. It has been optimized with respect to the transmission speed and provides optimum comfort in programming, commissioning and service.

Technical Data

Operating voltage	10.5 ... 28 V DC
Current consumption @ 12 V DC	approx. 60 mA
Ambient temperature	-5 °C ... 50 °C
Storage temperature	-10 °C ... 50 °C
Air humidity	< 95 % (non-condensing)

 essernet®-Micromodule and interface RS 232 adapter are not received and must be separately ordered according to essernet®-Type or the serial mode of transmission.

Replacements in the field of voice alarm for Part No. 784856. This part is still available!

Accessories

- 788606 Housing-kit
- 772386 Interface-module RS232/V24
- 772387 Interface-module TTY/CL 20mA
- 784840.10 essernet®-Micromodule (62.5 kBd)
- 784841.10 essernet®-Micromodule (500 kBd)

583386.21

Adapter TWI-RS232



Approval: G 210122
Part of EN 54-16 approval

The TWI-RS232 adaptor serves for implementing of the TWI bus on RS232. Use for special servicing and connecting an external system (e.g., a FACP IQ8Control or FlexES Control).

The TWI-RS232 adaptor is connected either directly or by the Cat5 cable provided to the CATHEDRAL (depending on hardware).

Features

- Approved as per EN 54-16

Technical Data	
Declaration of Performance	DoP-20997130701

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- 16
- 17

Accessories

788606

Housing for SEI



Housing for the serial essernet interface (SEI).

Technical Data

Type of protection	IP31
Housing	ABS plastic
Color	white similar to RAL 9003, front blue similar to RAL 5003
Dimensions	W: 270 mm H: 221 mm D: 71 mm

772386

Interface-Module RS232 / V24



For the serial essernet interface for a length up to 15 m.

772387

Interface module TTY/CL 20 mA



For the serial essernet interface for a length up to 1,000 m.

013405.20

Hardware option TCP/IP converter, Ethernet RS232 / RS485

NEW



This hardware option is used to connect a remote essernet via a (for example) company-wide Ethernet LAN to a WINMAGplus control center via TCP/IP. This allows the device to be used as a protocol converter between the SEI contained on the essernet and the WINMAGplus control center available in the Ethernet LAN.

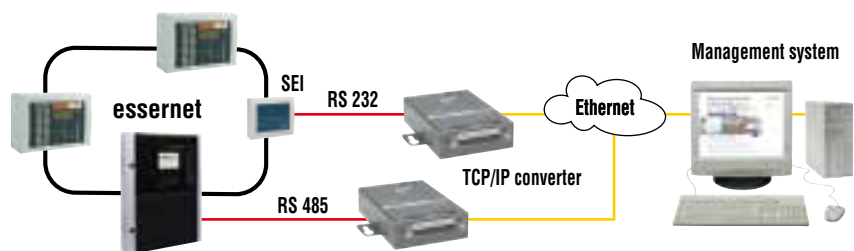
Technical Data

Operating voltage	12 ... 48 V DC
Ambient temperature	0 °C ... 55 °C
Storage temperature	-20 °C ... 75 °C
Housing	metal
Air humidity	< 95 % (non-condensing)
Weight	approx. 340 g
Power consumption	1.5 W
Dimensions	W: 52 mm H: 80 mm D: 22 mm (housing) W: 75.2 mm H: 80 mm D: 22 mm (with tabs)

Features

- Transmission with RS 232 max. length 15 m and with RS485 max. length 1,000 m
- Serial interface: RS232, RS422 or RS485 (2- and 4-wire), configurable via software
- Transmission speed: 300 baud to max. 230 kBaud configurable via software
- Serial connection: D-Sub 25, socket
- Ethernet interface: 10Base-T/100Base-TX
- Transmission speed: 10/100/auto Mbit, configurable via software
- Mode of transmission: half- /full-duplex or automatic, configurable via software
- Network access: RJ 45
- Supported protocol: ARP, UDP, TCP, ICMP, Telenet, TFTP, AutoIP, DHCP, HTTP, SNMP, TCP, UDP and Telnet, TFTP

i System requirements for operation and software configuration: Windows® 2000/XP. Bidirectional or unidirectional data transfer depends on the SEI used, thus serial essernet interface EDP unidirectional Part No. 784855 or bidirectional Part No. 784856. Up to 20 TCP/IP converters can be connected per personal computer.





Gateway for protocol conversion of the essernet data protocol into different standard software protocols.

The multiprotocol gateways are a group of devices which have been specially optimized for the conversion of the essernet data protocol just into standard software protocols. The focus here is especially on communication with higher-priority building services management systems as well as with devices by other manufacturers. Device configuration is carried out based on one text file per protocol driver as well as one other text file which sets the connections between essernet object statuses to those of another protocol. This is advantageous as it allows for easy revision with small changes, especially when the naming conventions are adhered to in the target protocol. The basic configuration is created under specification of the target protocol by conversion of project data export of the programming software 'tools 8000' which results in a format that can be loaded by the gateway. The gateway is equipped with an access-restricted web user-interface with independent user management. This facilitates the upload of project data, remote diagnostics, status query of all data points and, if the corresponding ESSER modules used, switching via the gateway without additional software. Hardware with different performance levels is available for varying project requirements. Thus it is possible to choose the most cost-effective model according to the type of target protocol and number of connections required from the essernet data protocol into the selected target protocol.

Service for installers:

We offer a number of gateway services. These services cover everything from calculating data points to selecting suitable hardware, from creating loadable project planning for the gateways to designing project-specific macros, as well as on-site start-up. Gateway support training is offered once the gateways are installed. This training includes maintenance or expansion/reprogramming within the object, e.g. when a system has been expanded and the new data points need to be transmitted into the target protocol.

The training and support is done by the development and supplier of the gateways. For part numbers and prices please contact your sales representative.


Technical connection:

A serial essernet interface (uni-directional or bi-directional) as well as an RS 232/V 24 interface module is needed for the connection of the multiprotocol gateways to the essernet. If a FlexES FACP is used in the essernet it is possible to use the internal RS 485 interface for connection if the RS 485/RS 232 interface converter is also applied. Switching functions such as turning individual detectors or whole detector zones on and off are possible if the internal interface of the FlexES or a bi-directional SEI is used for the gateway connection. In addition to the driver for the essernet protocol, delivery includes one of the drivers listed on the order sheet at the end of the catalog in standard software protocols. The multiprotocol gateway is designed for 230 V.

Different gateway models currently available:

ESSER Data Protocol (EDP) to:

- BACnet Server
- OPC Server
- MODBUS IP
- EIB/Instabus
- LONTalk

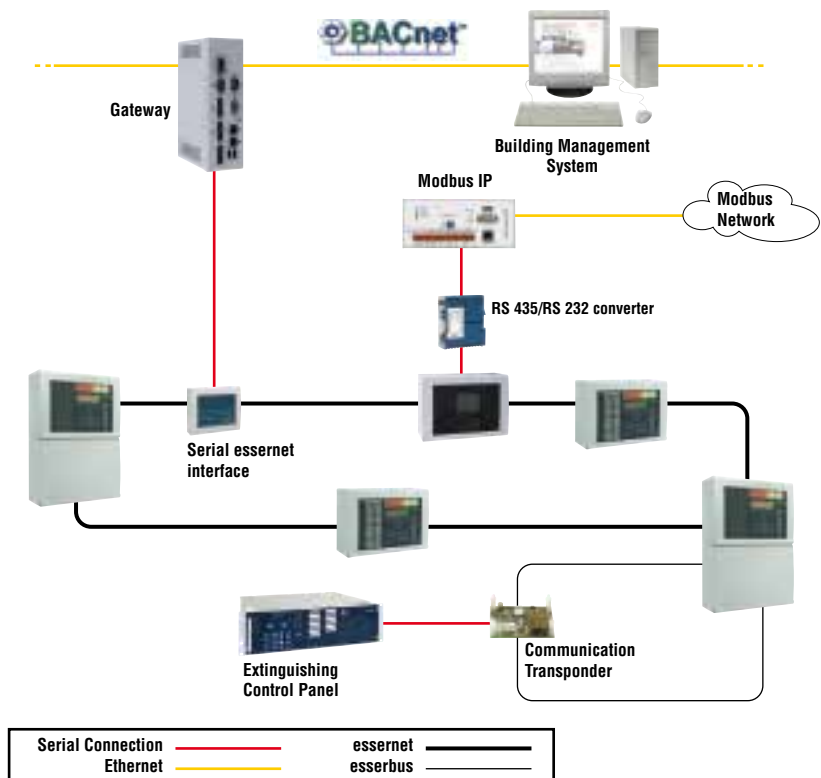
 If a gateway is used for the EDP connection over an OPC server, the OPC-DCOM communication for the server component requires a networked PC with Windows XP or higher. This OPC server component is included in this gateway model.

Additional hardware for the connection of the standard software protocol, as specified in the order, is included in the delivery of the respective gateway variant.

Please contact your local sales representative for further details on this product solution!

Accessories

- 784855 Serial essernet interface EDP (unidirectional)
- 784856 Serial essernet interface EDP (bidirectional)
- 772386 Interface module RS 232/V 24
- 788606 Housing kit



Application example



Management Building System

FlexES Guard

90-104



Features

- Separate client/server architecture with central update functionality
- Operating system-independent client function depending on drivers (plug-ins)
- Modular construction with open system architecture
- Workstation client and/or Web client
- Identical user interface for desktop and Web clients
- Separate editing modules for individual clients
- Display of system status with graphics, text, table, Web, or video view
- Multi-monitor operation with up to 9 monitors (max. 4 physical, 5 virtual), basic version supports the connection of max. 2 physical monitors
- Alternatively: 1 physical, 8 virtual
- Server-based connection to devices
- Logging of all messages, interactions, and processes
- Initial SQL database H2, extensible to SQL Server, Oracle, DB2
- Integrated adoption of data structures and graphics from external systems
- Support for multiprocessor systems
- Multiprocessing/multithreaded architecture

FlexES Guard – The management system for intelligent security

The newly developed FlexES Guard hazard and alarm management system is based on Java™ and thus provides an ideal basis for a platform-independent message visualization system. Any data can be accessed from any location from different mobile devices (PC, tablet, smartphone). Integrated permission management allows customized views and functionality for different users. An additional feature enables client access via the web browser: Each user has the option to start the client either in the web browser or as a desktop program, for example if a multi-monitor view is desired. Through automatic adjustment of the software version between server and clients, all participants on the network are always using the same version. Moreover, all functions are available to their full extent regardless of the way the program is started (browser or desktop). The new program structure provides its various functionalities in three different software modules:

The control console: This is the application with which the user works.

The configuration module: This is where all system administration is carried out, from user and permission administration, to driver and data point management, to licensing and client administration.

The graphical editor client: This module is used to set up the application for the control console. This is where graphics and alarm points are placed, programs integrated, layers created for the different operating levels, and all the functional graphical elements set up that are needed to operate the control console.

The advantage of this organization is that both the configuration module and the editor client can not only be started in standard web browsers like Microsoft Internet Explorer or Mozilla Firefox, but also used with full functionality. A web browser, an installed Java runtime, and a TCP/IP connection are enough to use a client computer to manage the server and make changes to the application. Control of access is entirely handled by the server. It is also possible to make most changes to the application as well as carrying out administrative tasks while the FlexES Guard is online, reducing downtime and significantly increasing system availability.

Interfaces

FlexES Guard offers a continually growing portfolio of proprietary interfaces for systems in the areas of fire and burglar alarm systems, voice alarm, call systems, access control, and video technology.

In addition to the OPC and ESPA standard interfaces, BACnet, Modbus, and SNMP will soon be available. This means that not only bidirectional coupling with the building services management system and process and automation technology are possible, but data exchange with communication systems will also be possible.

To integrate data provided by external databases, FlexES Guard has its own connector that permits simple, reliable access to this data.

Service program

We offer an extensive service program related to FlexES Guard for installers, which in addition to a FlexES Guard project also offers appropriate support in the different phases of implementation. Services range from system presentation to customers to support in requirements definition, input of alarm points and graphics pages, as well as program support and even the training of operating personnel and support during the system handoff/acceptance. Support for maintenance and extension of existing systems completes the service program.



Hardware and software requirements:

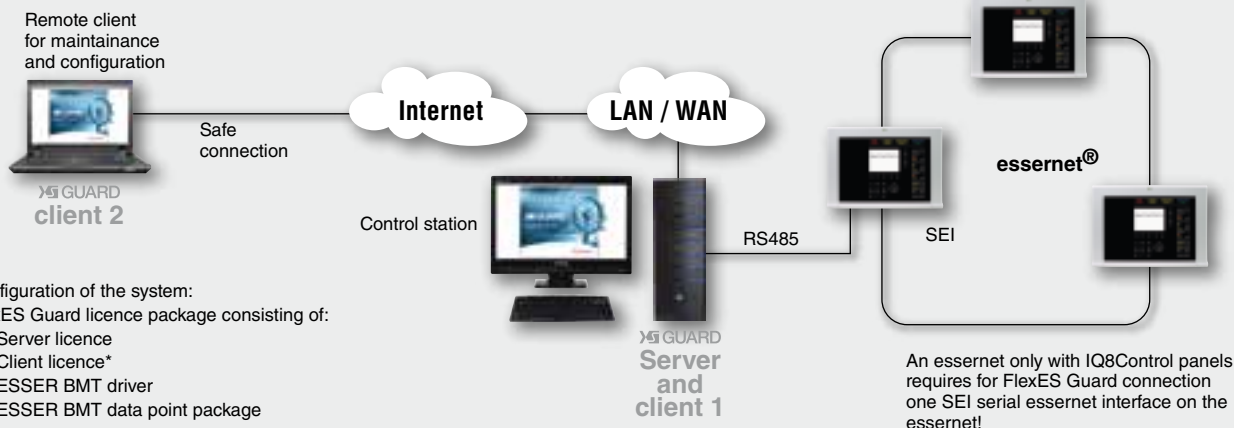
Intel Dual Core or better, at least 4 GB RAM, at least 150 GB free hard drive space, XGA graphics card with at least 4 MB video memory, monitor with at least 1024x768 pixels, sound card with external speakers, compatible with XP Professional (SP3) 32-bit version, Windows Server 2008 32-/64-bit versions, Windows 7 32-/64-bit versions, additional operating systems for the operation of the FlexES Guard client upon request, Java Runtime 6, Internet Explorer version 7 or better, Mozilla Firefox version 16 or better.

To order FlexES Guard and/or additional license options, please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

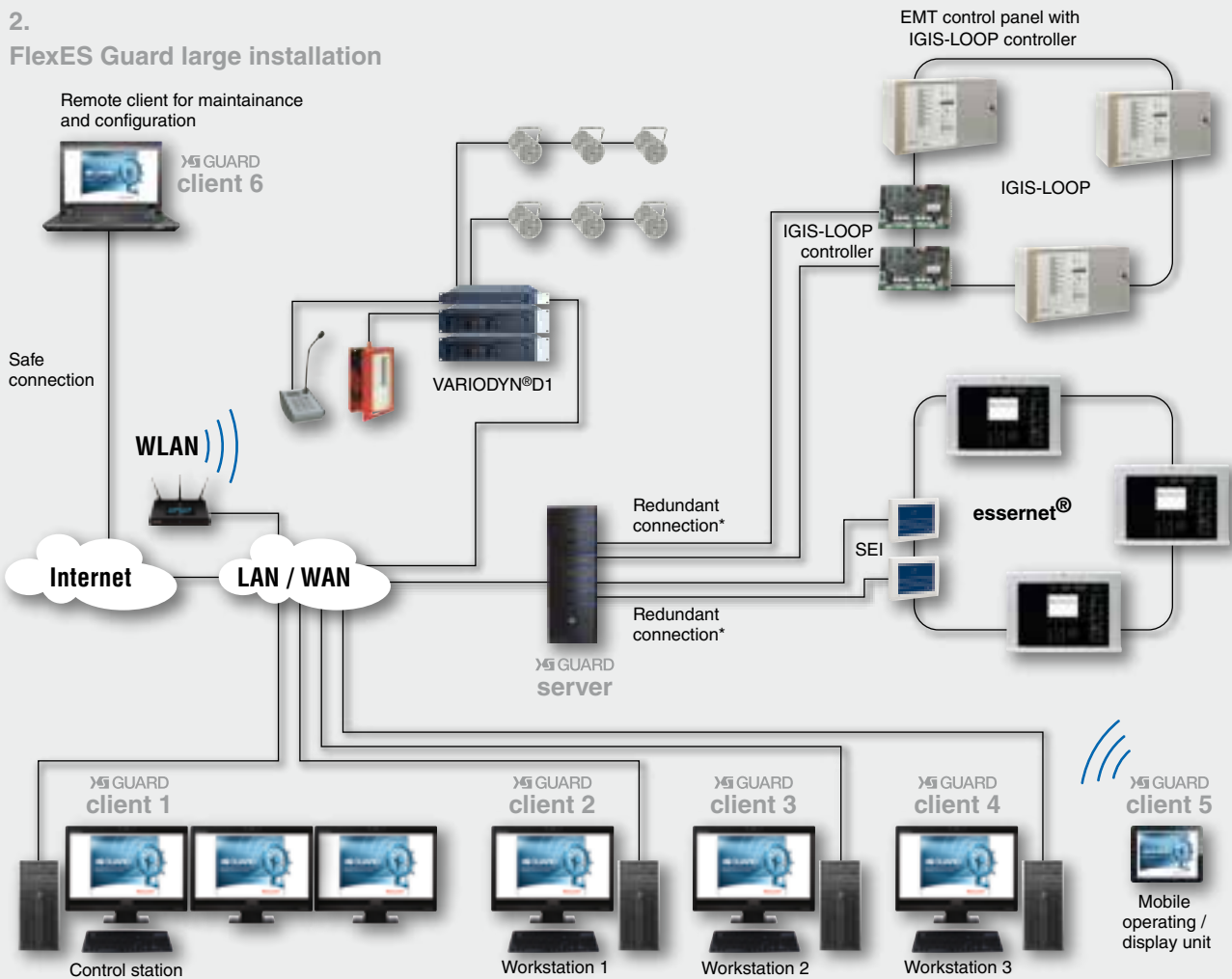
Your technical sales consultant is available for any additional information.

FlexES Guard

1. FlexES Guard small installation



2. FlexES Guard large installation



Basic Licenses

The FlexES Guard hazard and alarm management system uses a pure software licensing procedure to enable the functions of the base system, the extensions, and the drivers and their data points. Licenses are managed centrally on the server and are connected to its hardware using a machine code (serial number). Specification of the serial number is thus absolutely essential when ordering licenses for the initial installation and any upgrades. The installation and test operation of the software package (Part No. MX50000) can also take place without licensing. In unlicensed operation, the configuration and the graphical editor module can be used as often as needed to create applications. Control console test mode is limited to one hour of server runtime. After this, the FlexES Guard server must be stopped and restarted.

FlexES Guard must be ordered using Part No. MX50050 license package FlexES Guard and MX50055 license package upgrade.

Take note, in case you want to run FlexES Guard on a virtual machine (VM), pls. contact your local sales representative for further details, as a special training is essential!

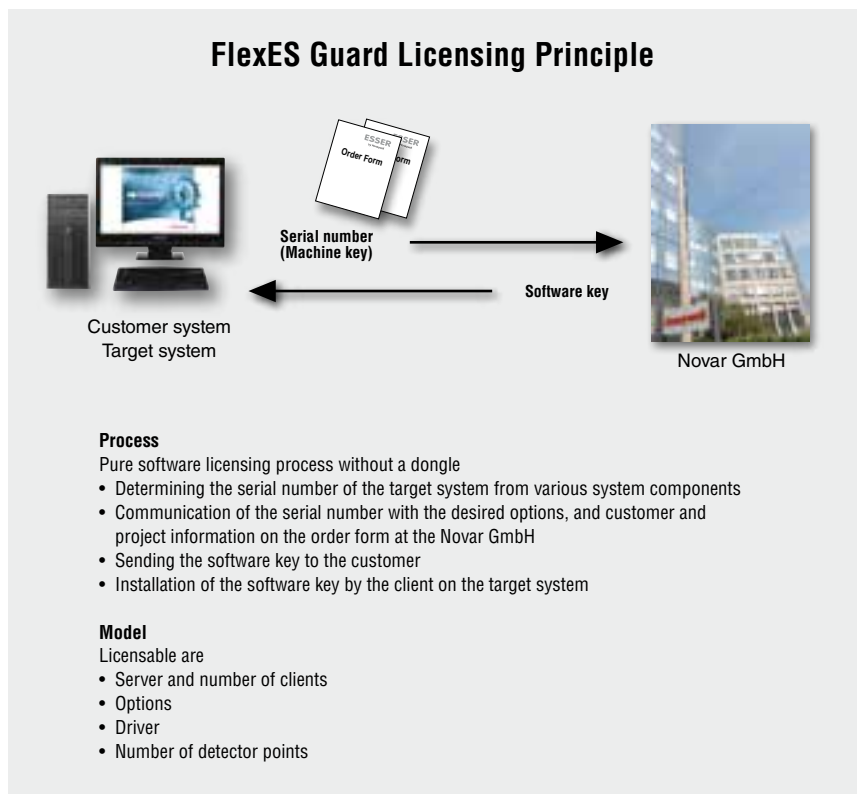


Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

Consider as rule of thumb, 3 loops need one data package.



The software license code for the FlexES Guard (MX50050) license package as well as the FlexES Guard upgrade (MX50055) are delivered on a USB stick.



MX50000



FlexES Guard box (unlicensed)

DVD with the FlexES Guard hazard and alarm management system, without license, compatible with XP Professional (SP3) 32-bit version, Windows Server 2008 32-/64-bit versions, Windows 7 32-/64-bit versions.

By using the FlexES Guard software and the corresponding licenses for extensions, along with drivers and data point packages, messages from hazard alarm systems can be displayed and managed via a PC on different terminal devices regardless of location. At the same time, operating activities are also possible. Moreover, FlexES Guard fully supports the function of electronic emergency plans.




For licensing, a hardware code (serial number) must be generated on the PC where the server will be operated, using the configuration module. From that code, in combination with the software options specified in the Serial-Key-Generator (SKG) "MX50050 FlexES Guard license package", a license file to enable the software is generated that must be downloaded into the server using the configuration module.


MX50100

Server license



The server license is used to enable the FlexES Guard hazard and alarm management system server as an unlimited visualization and operating software package. To operate the client software as a control console on the server hardware, as well as from any point in the same LAN/WAN as the server, at least one client license is required. To connect subsystems (such as centrals) to the server, additional licenses are required (see driver, Part No. MX53000-MX53710.DP).

 Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.


 USB stick with license file

MX50250

Single client license



Option for FlexES Guard server license. Permits the simultaneous operation of a control console client software on the FlexES Guard server. It can optionally be determined whether the client can only be started from certain hardware or from any arbitrary PC on the network, for example from web browsers. If the control console client and server are operated on just one machine, then in addition to the server license at least one client license is required. This item is required for each client used.

 This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension.


Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX50255

Client license package, 5 licenses



Option for FlexES Guard server license. Permits the simultaneous operation of 5 control console client licenses on the FlexES Guard server. It can optionally be determined whether the client can only be started from certain hardware or from any arbitrary PC on the network, for example from web browsers.

 This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension.


Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX50260

Client license package, 10 licenses



Option for FlexES Guard server license. Permits the simultaneous operation of 10 control console client licenses on the FlexES Guard server. It can optionally be determined whether the client can only be started from certain hardware or from any arbitrary PC on the network, for example from web browsers.

 This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension.


Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX50270

Client license package, 20 licenses



Option for FlexES Guard server license. Permits the simultaneous operation of 20 control console client licenses on the FlexES Guard server. It can optionally be determined whether the client can only be started from certain hardware or from any arbitrary PC on the network, for example from web browsers.

 This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension.

Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

Licenses for Special Versions

MX50410**FlexES Guard Gateway**

The FlexES Guard Gateway license authorizes operation of the server without graphical visualization. This permits alarm point information from connected systems (e.g. ESSER Fire Detection Technology) to be prepared for higher-level control systems using OPC and ESPA.

To operate the FlexES Guard Gateway, in addition to a trades license plus data point packages (e.g. MX53000 + MX53000.DP), only the corresponding data point packages for the OPC server and/or ESPA are needed. The graphical editor module is not available for this software license and the control console cannot be started as a graphical user interface. Functions such as setup, logging, and the display of status and operation of alarm points for testing, setup, and maintenance are provided through the configuration module.



This license can only be used in combination with part number MX53700.DP data point package for OPC server and/or MX53620.DP data point package for ESPA. For additional data point packages for an existing gateway, please use the Serial-Key-Generator (SKG) MX50055 FlexES Guard upgrade. The serial number (machine code) of the system must be specified for each extension.

Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.


Extensions

MX51000



Multi-Client Capability

Extension to the FlexES Guard server license that makes it possible to structure the system for use by multiple clients. Each of these clients may have multiple users with custom screens and permissions. Client capability ensures that FlexES Guard can be operated by different user groups (such as different customers) without giving them the ability to see one another's data.

 This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension.


Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX51100



Multi-Monitor

Extension to the FlexES Guard server license for system-wide enabling of multi-monitor client workstations. This makes it possible to output the content of 9 possible monitors per PC on up to 4 physical monitors with different displays. If the physical monitors defined for the user are not available (for example if the client has been started from a web browser), the displays are automatically redirected to virtual screens that can then be selected by tab.

 This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension. The PC hardware needed for four-monitor operation must be ordered separately.


Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX51200



Notification

Extension to the FlexES Guard server license for the sending and receipt of email and SMS messages as well as notification by fax with graphics. Sending email also makes it possible to send file attachments (e.g. alarm graphics). The receipt of SMS messages and emails can be routed to the alarm queue. It is possible to evaluate the content of incoming messages and start customizable workflows.

 This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension. The hardware needed to send SMS messages and faxes must be ordered separately. To use email notification, the use of an email server by SMTP and IMAP/POP3 protocol must be possible from the FlexES Guard server.


Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX51400



Driver Redundancy

Extension to the FlexES Guard server license for system-wide enabling of driver redundancy. Driver redundancy makes it possible to establish both the existing connection to a subsystem (e.g. essernet[®]) and a second, independent, monitored connection to the subsystem (e.g. using a second SEI in essernet[®]). If there is a connection problem with one of the two connections, the redundant connection takes over communication and an error message is emitted. This extension provides a simple way to achieve a significant increase in failure protection of the connection, especially for serially connected systems.

 This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension. The hardware needed to duplicate the connection to subsystems (such as an additional SEI) must be ordered separately.


Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX51600

User interface Windows authentication



Extension to the FlexES Guard server license that makes it possible to use the user names and passwords from the Windows network to log into the FlexES Guard hazard and alarm management system. This means that administrators of FlexES Guard no longer need to manage users with separate passwords in FlexES Guard. Windows network users must simply be set up in FlexES Guard. Authentication then takes place using Windows network mechanisms. The advantage of such a login is the lower administrative overhead for login and password information of the users of FlexES Guard and the fact that any existing password guidelines already in place for the Windows network are automatically obeyed.

 This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension. This extension requires corresponding permissions to be granted for Active Directory user authentication in the IT environment of the FlexES Guard server. To set up this extension, IT knowledge of Directory Services is required. Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

Driver

MX53000




Features

- FACP: delayed, active/inactive, reset, audible on/off, alarm verification, reset, set time
- FACP detector zone: turn on/off, turn O, I, T sensors on/off, test on/off, on/off
- FACP detector zone (detectors, primary line): turn on/off, turn sensor on/off, test on/off, on/off
- FACP control group: turn on/off, test on/off, audible signal generators, ARE, transmission equipment: Turn on/off
- FACP: turn on, buzzer off, reset,
- All FACPs: audible alarm on/off, read configuration

Driver for ESSER fire detection technology

This driver for the FlexES Guard server permits the use of ESSER FACPs in essernet. It automatically creates new alarm points in the FlexES Guard database that can be displayed using filter functions.

The driver supports the ESSER FACP series 8000x, IQ8C/M and FlexES via essernet. The essernet interface with micromodule is needed to do so. (Part No. 784856).

 This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension.


Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53000.DP



Data points for ESSER fire detection technology, 500 data points

Data point package for the ESSER fire detection technology interface driver. FlexES Guard counts the data points used in the driver and in the database. To do this, the software must be enabled with the drivers and the number of data points. Licensing is done in steps of 500 data points.

 This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension.

Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53100




Features

- I-CIE: buzzer off, remote programming enabled, I-CIE power supply/FB8, unblock transponder, turn I-CIE printer on/off
- Enable I-CIE area, internal/external armed/disarmed, walk test, delete, delete installer, query actuation
- I-CIE control and detector zone: turn on/off, unblock

Driver for ESSER I-CIE 5008 interface

This driver for the FlexES Guard server permits the use of ESSER I-CIE FACPs in essernet. This driver automatically creates new alarm points in the FlexES Guard database that can be displayed using filter functions.

This driver supports the ESSER 5008 intrusion alarm system through essernet. The essernet interface with micromodule is needed to do so. (Part No. 784856).

 This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension.


Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53100.DP



Data points for ESSER intruder alarm panel 5008, 500 data points

Data point package for the ESSER 5008 I-CIE interface driver. FlexES Guard counts the data points used in the driver and in the database. To do this, the software must be enabled with the drivers and the number of data points. Licensing is done in steps of 500 data points.

 This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension.

Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53110




Driver IGIS MB/HB series

This driver for the FlexES Guard server permits the use of I-CIE centrals in the IGIS LOOP network. Alarm points can be created by using an import function in the FlexES Guard database. This driver supports the Honeywell HB/MB series intrusion alarm system through IGIS loop with a monitored RS232 connection.

The IGIS loop Controller is also needed (Part No. 013330.10, 013331.10, 013332.10).

Features

- I-CIE: buzzer off, remote programming enabled, I-CIE power supply/transponder: unblock, turn I-CIE printer on/off,
- I-CIE area: enable, internal/external armed/disarmed, walk test, delete, delete installer, query actuation,
- I-CIE control and detector zone: turn on/off, unblock

 This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension.


Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53110.DP



Data points for IGIS MB/HB series, 500 data points

Data point package for the IGIS MB/HB series interface driver. FlexES Guard counts the data points used in the driver and in the database. To do this, the software must be enabled with the drivers and the number of data points. Licensing is done in steps of 500 data points.

 This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension.


Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53200



Driver VARIODYN D1

This driver for the FlexES Guard server permits the connection of ESSER/Honeywell VARIODYN D1 voice alarm systems via TCP/IP. This driver can read the device configuration of the VARIODYN D1 network for commissioning and automatically write it to the equipment configuration of FlexES Guard. To do this, a free port is required on the DOM of the VARIODYN D1 system.

 This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension.

Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

Features


- Reading the VARIODYN® D1 configuration
- Trigger calls
- Display of faults
- Display of line statuses
- Read and write controls
- Display of inputs
- Playing SCU sound files

MX53200.DP



Data points for VARIODYN D1, 100 data points

Data point package for the SAA VARIODYN® D1 interface driver. FlexES Guard counts the data points used in the driver and in the database. To do this, the software must be enabled with the drivers and the number of data points. Licensing is done in steps of 100 data points.

 This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension.


Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53300



Driver IPC - Ackermann ILC

This driver for the FlexES Guard server permits the use of Ackermann call systems. This driver supports the Clino 99 system through the IPC module.

 This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension.

Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

Features


- Display of different call types, such as medical services, emergency call, nurse call, fire alarm
- Triggering of calls from the screen

MX53300.DP



Data points for IPC - Ackermann ILC, 100 data points

Data point package for the IPC Ackermann ILC interface driver. FlexES Guard counts the data points used in the driver and in the database. To do this, the software must be enabled with the drivers and the number of data points. Licensing is done in steps of 100 data points.

 This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension.


Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53400



Driver Geutebrück Reporter/Geviscope

This driver for the FlexES Guard server permits the connection of the Geutebrück Videotechnik Reporter/Geviscope. It automatically creates new alarm points in the FlexES Guard database that can be displayed using filter functions.

 This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard Upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension.

Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

Features


- Switch camera to monitor
- Faults
- Status monitor
- Zoom, pivot
- Fixed positions for each camera

MX53400.DP



Data points for Geutebrück Reporter/Geviscope, 100 data points

Data point package for the Geutebrück Reporter/Geviscope interface driver. FlexES Guard counts the data points used in the driver and in the database. To do this, the software must be enabled with the drivers and the number of data points. Licensing is done in steps of 100 data points.

 This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard Upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension.


Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53410



Driver Milestone CCTV

This driver for the FlexES Guard server permits the connection of Milestone CCTV products. It automatically creates new alarm points in the FlexES Guard database that can be displayed using filter functions.

 This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension.

Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

Features


- Switch camera to monitor
- Display of faults
- Status monitor
- Zoom, pivot, and fixed positions for each camera.

MX53410.DP



Data points package for Milestone CCTV, 100 data points

Data point package for the Milestone CCTV system interface driver. FlexES Guard counts the data points used in the driver and in the database. To do this, the software must be enabled with the drivers and the number of data points. Licensing is done in steps of 100 data points.

 This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension.


Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53420



Driver Mobotix IP camera

This driver for the FlexES Guard server permits the use of Mobotix IP Cameras in FlexES Guard. If the protocol and hardware connected support this, it automatically creates new alarm points in the FlexES Guard database that can be displayed using filter functions.

 This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension.

Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

Features


- Display of faults
- Zoom, pivot, and fixed positions for each camera
- Start recording
- Turn camera on/off

MX53420.DP



Data points for Mobotix IP camera, 100 data points

Data point package for the interface driver of the Mobotix IP camera. FlexES Guard is one of the data points used in the driver and in the database. To do this, the software must be activated with the drivers and the number of data points. Licensing is performed in steps of 100 data points.

 This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension.

Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53450

Interface driver HeiTel video technology



This driver enables the operation of HeiTel devices on FlexES Guard.

Supported types are: CamTel, CamServer, CamDisc, CamMobile

This driver can read the device configuration of the HeiTel video system for commissioning and automatically take over in FlexES Guard. Communication is via Ethernet.

The client-side operation of devices is via plug-in.

Note: No cam control server license is required for the operation of the plug-in.

Features

- Plug-in functionality;
- Live: Live image display and/or "snapshot" memories.
- Archive: Archive search by pictures and/or video sequences via convenient tree structure; storage of single image or video sequence.
- PTZ functionality (Pan-Tilt-Zoom function): PTZ control via monitor or PTZ preset via short-cut (if supported by the camera, see HeiTel reference list)

This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension.

Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53450.DP

Data points for interface driver HeiTel video technology, 100 data points



Data point package to the HeiTel video technology interface driver. FlexES Guard is one of the data points used in the driver and in the database. To do this, the software must be activated with the drivers and the number of data points. Licensing is done in steps of 100 data points.

This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension.

Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53600

Driver TDM/ASCOM emergency call system



This driver for the FlexES Guard server permits the use of TDM/ASCOM emergency call systems. This driver supports ASCOM emergency call systems using the CTI and SNMP interface.

This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension.

Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

Features

- Establishing voice connections
- Display of faults and alarms

MX53600.DP

Data points for TDM/ASCOM emergency call system, 100 data points



Data point package for the TDM/ASCOM emergency call system interface driver. FlexES Guard counts the data points used in the driver and in the database. To do this, the software must be enabled with the drivers and the number of data points. Licensing is done in steps of 100 data points.

This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension.


Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53620



Driver ESPA terminal devices

This driver for the FlexES Guard server permits the use of the ESPA 4.4.4 protocol to distribute messages to mobile devices like pagers and DECT telephones. The serial or Ethernet TCP/IP interfaces can optionally be used to connect to it.

 This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension.

Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

Features


- Sending text messages
- Receiving of messages with the freely programmable alarm assignment provided by Goovy

MX53620.DP



Data points for ESPA terminal devices, 10 data points

Data point package for the ESPA terminal device interface driver. FlexES Guard counts the ESPA connections used in the driver and in the database. To do this, the software must be enabled with the drivers and the number of data points. Licensing is done in steps of 10 data points.

 This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension.


Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53640



Interface driver databases

This driver for the FlexES Guard server permits the use of TDM/ASCOS emergency call systems. This driver supports ASCOM emergency call systems using the CTI and SNMP interface.

 This license can also be purchased separately as an extension to a FlexES Guard inventory system.

Please use the available software Serial Key Generator (SKG) at www.esser-systems.com for the first order as well as upgrades.

Features


- Establishing voice connections
- Display of faults and alarms

MX53640.DP



Data points for interface driver databases, 10 data points

Data point package for the database driver. FlexES Guard is one of the data points used in the driver and in the system database. To do this, the software must be activated with the drivers and the number of data points. This driver corresponds to a data point of a table of an external database to be accessed. Licensing is done in steps of 10 data points.

 This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension.

Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53699




Driver for external systems

This driver for the FlexES Guard server permits the use of external systems in FlexES Guard. Depending on the protocol, the driver automatically creates new alarm points in the FlexES Guard database that can be displayed using filter functions.

This driver supports external products whose protocol can be emulated using customer-specific programming of the interface SDK. The customer-specific Programmer's Guide is not part of the driver and must be offered separately according to cost.

Features

- Definition according to customer requirements in the specifications

 This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension.


Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53699.DP



Data points for external systems, 100 data points

Data point package for the external system interface driver. FlexES Guard counts the data points used in the driver and in the database. To do this, the software must be enabled with the drivers and the number of data points. Licensing is done in steps of 100 data points.


 This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension.

Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53699.DP2

Data points for external systems, 500 data points

Data point package for interface driver foreign trades. FlexES Guard is one of the data points used in the driver and in the database. For this purpose, the software must be activated with the drivers and the number of data points. The data points are licensed in 500 sections.

 This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension.

Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53700




Driver OPC server

This driver for the FlexES Guard server permits the use of OPC servers to forward data to external systems.

This driver supports the OPC protocols Data Access 1.0, Data Access 2.04, Data Access 2.05, Data Access 3.0, and Alarm & Event 1.0.

Information about the object and data types supported as well as about setting up the OPC client can be found in the additional documentation. If you have further queries about the product, please contact our TSC.

 This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension.


Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53700.DP



Data points for OPC server, 500 data points

Data point package for the OPC server. FlexES Guard counts the data points used in the driver and in the database. To do this, the software must be enabled with the drivers and the number of data points. Licensing is done in steps of 500 data points.

 This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension.


Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53710.DP



Data points for OPC client, 500 points

Data point package for the OPC client. FlexES Guard counts the data points used in the driver and in the database. To do this, the software must be enabled with the drivers and the number of data points. Licensing is done in steps of 500 data points.

 This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension.


Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53810**Driver BACnet client**

This driver enables the use of FlexES Guard server as a BACnet client for transferring data from third party systems.

This driver supports the data transfer via BACnet IP. Simple data point acquisition through integrated BACnet browser.


Information about the supported object and data types, as well as setting up the Modbus interface, can be found in more advanced documentation. If you have further questions about the product, please contact our technical support.

 This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension.

Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53810.DP**Data points for BACnet client, 500 data points**

Data point package for the BACnet client. FlexES Guard is one of the data points used in the driver and in the database. To do this, the software must be activated with the drivers and the number of data points. Licensing is done in steps of 500 data points.

 This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension.


Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53900**Driver Modbus IP client/serial master**

This driver enables the use of FlexES Guard server as a Modbus client to acquire data from third party systems.

This driver supports the data transfer via Modbus IP client as well as serial (RS232/RS485) via Modbus Serial Master.


Information about the supported object and data types, as well as setting up the Modbus interface, can be found in more advanced documentation. If you have further questions about the product, please contact our technical support.

 This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension.

Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53900.DP**Data points for Modbus IP client, 500 data points**

Data point package for the Modbus client. FlexES Guard counts the data points used in the driver and in the database. To do this, the software must be enabled with the drivers and the number of data points. Licensing is done in steps of 500 data points.

 This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension.

Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

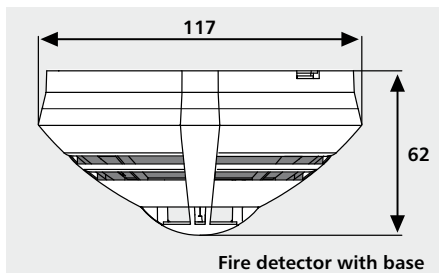


Automatic Detectors

Series ES Detect (Intelligent non-addressable)	106-109
Series IQ8Quad (Intelligent Addressable)	110-126
Intrinsically Safe	127-132
Base Series IQ8Quad, ES Detect	133
Accessories	134-148

Automatic Detectors

Series ES Detect (Intelligent non-addressable)



Features

System benefits:

- Optimally matched to the ES Line system.
- With multisensor detectors for the detection of all fires, even under the most difficult operating conditions
- Up to 30 detectors per detection group.

Reliable detection:

- Uniform response sensitivity of the detector for all different types of fire for the multisensor detectors
- Large distance between signal and interference magnitudes due to special sensor and electronics design for suppressing electromagnetic influences
- Automatic adaptation to varying environmental influences
- Electronic compensation of long-term influences of contamination or aging

Reliable false alarm suppression:

- High reliability against false alarms by temporal evaluation of different sensor criteria
- Exclusion of signal forms not typical of fires through special filter algorithms
- Automatic self-monitoring of the detector electronics
- Automatic self-monitoring of sensors for function and condition

Maintenance:

- Designation of the heat detector by a black ring on the light pipe
- Hours of operation, alarm and fault counter in each detector
- Operation data retrieval of all detectors of a group with standard service PC and field bus interface
- Detector LED for alarm display and as an identification display in the service (for maintenance with 8000 tools)

Wide range of accessories:

- Standard socket and relay base
- Socket adapter for ceiling installation
- Dust caps optional for fire detectors and detector base
- Kit for suspended mounting

The ES Detect automatic detector is an intelligent non-addressable detector specifically designed for operation on conventional detector groups e.g., the ES fire alarm control panel line. ES Detect sets new standards in conventional technology through high quality sensors with advanced detection technology. These include not only the intelligent algorithms for fire detection but also the wide range of different types of detectors, including multisensor detectors OTblue and O²T. ES Detect also helps to save costs, because with the implemented drift compensation, ES Detect can be operated a full eight years, instead of five years for ordinary detectors, according to DIN 14675. Numerous accessories are available from the program of the IQ8Quad detector series. The ES Detect is equipped with a logo for optical differentiation. The convenient maintenance with the programming software tools 8000 (in preparation) completes the full spectrum of ES Detect, from which the operating data of the detector (for example, the measured values, contamination, alarm counters, operating hours counter ...) can be read and stored. The detectors remain where they were installed, because the complete detector group can be connected to a PC and serviced via the field bus and control panel interface (Part No. 789862.10).

Technical Data

Operating voltage	8 ... 42 V DC
Alarm current @ 9 V DC	typ. 9 mA
Air speed	0 ... 25.4 m/s
Storage temperature	-25 °C ... 75 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 43 (base + option)
Material	ABS
Color	white, similar to RAL 9010
Weight	approx. 110 g
Dimensions	Ø: 117 mm H: 49 mm (62 mm inkl. Sockel)



Special colors on request!

In order to pass through existing wires, the WAGO grips (e.g., type 243-204 (O 0.5-1 mm) or 273/104 (0.75-2.5 mm²)), can be integrated into the detector base.

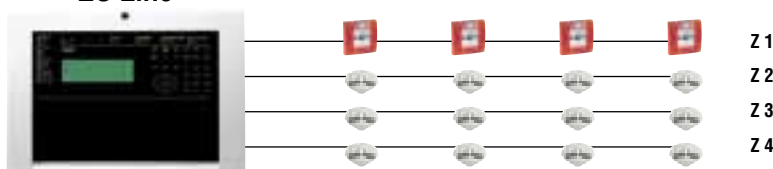


Detector base is not supplied as standard

Accessories

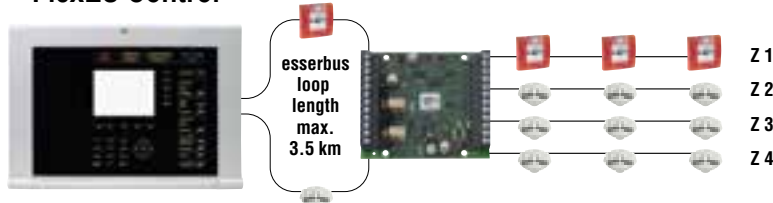
- 767800 assembly bracket
- 805590 standard IQ8Quad detector base
- 805591 detector base with IQ8Quad relay contact

ES Line



Spur max. 1,000 m per zone

FlexES Control



800171


NEW**Fixed heat detector ES Detect**

Approval: G 213068

Automatic heat detector with fast semiconductor sensor for reliable detection of fires with distinctive heat. Fire detector with decentralized intelligence, automatic function self-test, alarm and operations data storage and alarm display. A remote indicator can also be connected.

Technical Data

Quiescent current @ 9 V DC	approx. 25 μ A
Area to be monitored	max. 30 m ²
Height to be monitored	max. 7.5 m
Application temperature	-20 °C ... 50 °C
Detector specification	EN 54-5 A1S

 Special marking for heat detector on the light pipe: black ring

800177


NEW**Fixed heat detector ES Detect, Class B**

Approval: G 213067

As 800171, however, for increased response temperature according to EN 54-5 class B.

Technical Data

Quiescent current @ 9 V DC	approx. 25 μ A
Area to be monitored	max. 30 m ²
Height to be monitored	max. 6 m
Application temperature	-20 °C ... 65 °C
Detector specification	EN 54-5 BS

 Special marking for heat detector on the light pipe: black ring

800271


NEW**Rate-of-rise detector ES Detect**

Approval: G 213069

Automatic heat detector with fast semiconductor sensor for reliable detection of fires with rapid temperature rise and integrated maximum value function for the recognition of fires with slow temperature rises. Fire detector with decentralized intelligence, automatic function self-test, alarm and operations data storage and alarm display. A remote indicator can also be connected.

Technical Data

Quiescent current @ 9 V DC	approx. 25 μ A
Area to be monitored	max. 30 m ²
Height to be monitored	max. 7.5 m
Application temperature	-20 °C ... 50 °C
Detector specification	EN 54-5 A1R

 Special marking for heat detector on the light pipe: black ring

800371

NEW**Optical smoke detector ES Detect****Approval:** G 213066

Scattered-light smoke detector for reliable early detection of fires. Fire detector with decentralized intelligence, automatic function self-test, automatic environmental adaptation, alarm and operating data storage and alarm display.

A remote indicator can also be connected.

Technical Data

Quiescent current @ 9 V DC	approx. 30 μ A
Area to be monitored	max. 110 m ²
Height to be monitored	max. 12 m
Application temperature	-20 °C ... 72 °C
Detector specification	EN 54-7

800375

NEW**OT^{blue} multisensor detector ES Detect****Approval:** G 213065

Multisensor detector with integrated optical smoke and heat sensor. The optical measurement chamber is equipped with a novel sensor which allows the detection of open fires, smoldering fires and fires with high heat.

The classical ionization detector is replaced by these detection methods, especially in open fires. This detector is also capable of detecting test fires TF1 and TF6 described in the EN 54-9:1982. The OT^{blue} multisensor is a fire detector with temporal signal analysis, weighted combination of sensor data, decentralized intelligence, automatic function self-test, automatic environmental adaptation, alarm and operating data storage and alarm display.

A remote indicator can also be connected.

Technical Data

Quiescent current @ 9 V DC	approx. 35 μ A
Area to be monitored	max. 110 m ²
Height to be monitored	max. 12 m
Application temperature	-20 °C ... 50 °C
Detector specification	EN 54-7/-5 A2, CEA 4021

800374

NEW**O²T multisensor detector ES Detect****Approval:** G 213070

Multisensor detector with two integrated optical smoke sensors with different scattered light angles as well as additional heat detector sensor evaluation for detecting anything from smoldering fires to open fires with uniform response characteristics. Compares smoke sensor signals for smoke classification and reduction of false alarms from water vapor or dust, for example. Due to its excellent detection properties, the detector is also capable recognizing test fires TF1 and TF6 described in the standard. The O²T multisensor detector is also suitable for higher application temperatures of up to +65° C.

A remote indicator can also be connected.

Technical Data

Quiescent current @ 9 V DC	approx. 45 μ A
Area to be monitored	max. 110 m ²
Height to be monitored	max. 12 m
Application temperature	-20 °C ... 65 °C
Detector specification	EN 54-7/-5 B, CEA 4021

800361.10

NEW

Optical Smoke Detector Detect ES with relay contact, 48 V DC operation

The threshold value detector with relay contact 800361.10 comprises an optical smoke detector 800371 from the ES Detect series and a detector base 805592 which enables a direct connection to a 48 V DC power supply. The detector therefore does not need to be operated in connection with a fire alarm control panel.

If the detector detects a fire alarm, a floating relay contact activates to transmit the alarm. The relay contact is normally open (NO) by default, but can also be configured as normally closed (NC) with a solder strap on the circuit board base.

A typical use for this detector is to monitor mobile communication stations, e.g. BTS base transceiver stations.

Take note, the Detector base with relay output for ES Detect 805592 is included in the scope of delivery!

Technical Data

Operating voltage	42 ... 58 V DC
Quiescent current	approx. 0.051 mA (@ 48 V DC)
Current consumption	max. 9 mA
Contact load relay	30 V DC / 1A, 60 V DC / 0,45 A
Area to be monitored	max. 110 m ²
Height to be monitored	max. 12 m
Air speed	0 ... 25.4 m/s
Application temperature	-20 °C ... 72 °C
Storage temperature	-25 °C ... 75 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 43 (with base and option)
Material	ABS
Color	white, similar to RAL 9010
Weight	approx. 110 g (ca. 190 g incl. base)
Detector specification	EN 54-7
Dimensions	Ø: 117 mm H: 49 mm (incl. base 62 mm)



Replacement for Part No. 761306

805592

NEW

Detector base with relay output for ES Detect 800631.10

Detector base with relay contact output, for ES Detect detector family. Suitable for 48 V DC operation.

Contact: floating normally open or normally closed, selectable via coding strap, factory setting: normally open.

A typical use for this base with ES Detect detector is to monitor mobile communication stations.

Technical Data

Operating voltage	42 ... 58 V DC
Contact load relay	30 V DC / 1A, 60 V DC / 0,45 A
Connection terminal	Ø 0,6 mm ... 2 mm ²
Application temperature	-20 °C ... 72 °C
Storage temperature	-25 °C ... 75 °C
Air humidity	< 95 % (non-condensing)
Material	ABS
Color	white, similar to RAL 9010
Weight	approx. 80 g
Dimensions	Ø: 117 mm H: 24 mm (incl. detector 62 mm)



Cable entry on the side or bottom plate.

For looping existing wires, for example, the type 243-204 WAGO terminals (Ø 0.5 mm Ø 1.0 mm) or 273 to 104 (0.75 mm-2.5 mm) are used.

Not for use with IQ8Quad detectors!

Not for use in esserbus and powered loop ringbus!

Contained in Part No. 800361.10

Replacement for Part No. 781582

Automatic intelligent fire detectors with high reliability and low power consumption used for premises and items of property with medium and high concentration of valuable assets.

Detector series IQ8Quad features, system advantages

- Designed for optimal operation on System 8000 and IQ8Control fire alarm systems
- with multisensor fire detectors for the detection of all types of fires, even under the most difficult operating conditions.
- Detector with and without loop isolator

Different options of installation

- wiring in loop and spur combination, e.g.
- maximum number of detectors with cable lengths of up to 3,500 m with installation cable for fire detection, e.g. cables I-Y(St)Yn x 2 x 0.8 mm
- up to 127 detectors and detector zones per loop installation
- up to 32 detectors per zone

Easy commissioning

- automatic detector addressing
- fixed address assignment of detector location, even after detectors have been replaced or added
- localization of wire breaks and short circuits on loop
- detector-LED used as alarm indicator and as an indicator for detectors in service
- adaptation to changing operating conditions
- dedicated LED for indicating operation (green LED)
- disconnection of individual detectors, detector zones and detection areas
- disconnection of individual sensors or several sensors at once within a multisensor fire detector; either manually or depending on programmed time of the day

Automatic adaptation to varying environmental conditions

- compensation of changing levels of air pressure, humidity, smoke concentration according to the double chamber principle
- electronic compensation of long-term influences like aging or pollution

Reliable detection

- constant alarm sensitivity of multisensor fire detector for all types of fire
- large signal to noise ratio due to the special design of the sensors and the electronics to suppress electromagnetic interference

Reliable false alarm suppression

- high immunity against false alarms by means of timed evaluation of different sensor criteria
- signal patterns not typical for fires are eliminated by using special filter algorithms
- automatic self-monitoring of detector electronics
- continuous loop monitoring even during short-circuits through isolating the relevant segment
- automatic monitoring of all sensors to guarantee operational capacity and correct condition.

Increased operating reliability

- short-circuit and wire break tolerant through monitoring from both ends of the loop
- alarm decision inside detector
- fail-safe circuit activated if communication fails

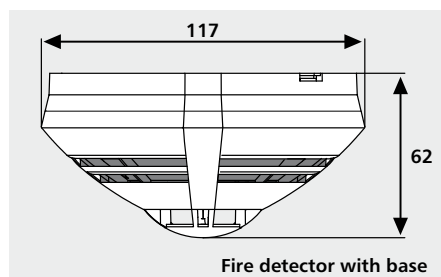
Maintenance

- automatic maintenance request
- heat detector identification through a black circle on the light transmission plate
- multisensor gas detector identification through a golden loop on the circle transmission plate
- operating time-, alarm- and fault counter in each detector
- automatic, cyclic loop check
- complete status interrogation from the control panel
- interrogation of operating data from all detectors on loop via standard service PC and detector interface

Comprehensive range of accessories

- standard detector base and relay base
- base adapter for ceiling mounting
- dust cover for fire detector or detector base
- kit for suspended ceiling mounting
- RF base

Detectors w/o Integrated Alarm Devices

**Technical Data**

Alarm current w/o communication curtain	approx. 18 mA
Air speed	0 ... 25.4 m/s
Storage temperature	-25 °C ... 75 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP43 (with base + option)
Material	ABS plastic
Color	white, similar to RAL 9010
Weight	approx. 110 g
Dimensions	Ø: 117 mm H: 49 mm (62 mm incl. base)



Special-color on demand

The detectors Part No. 802271, 803271, 802371, 803371, 802373, 802374 and 803374 are approved in the scope of the DIBt system authorization for the operation with an Automatic Door System.



Detector base is not supplied as standard

Accessories

767800 Mounting bracket

805590 Standard detector base for IQ8Quad

805591 Detector base with relay contact for IQ8Quad

802171

Fixed heat detector IQ8Quad with isolator

Approval: VdS, CNBOP, BOSEC

Automatic heat detector with a single thermistor to sense the air temperature around the detector. Fast semiconductor sensor guarantees reliable detection of fires with strong heat generation. Ideal for sensing in environments that are dirty or smoky under normal conditions, as well it is unaffected by wind or atmospheric pressure. Intelligent fire detector with decentralized intelligence, automatic function self-test, CPU failure mode, alarm and operating data memory, alarm indicator, soft-addressing and operating indication. The detector is provided with an integrated isolator. A parallel detector indicator can be connected.

Technical Data

Operating voltage	8 ... 42 V DC
Quiescent current @ 19 V DC	approx. 40 µA approx. 220 µA @ 42 V
Area to be monitored	max. 30 m ²
Height to be monitored	max. 7.5 m
Application temperature	-20 °C ... 50 °C
Detector specification	EN 54 - 5 A1S / -17
Declaration of Performance	DoP-20102130701



Special marking for heat detector on the light pipe: black ring.

802177

Fixed heat detector IQ8Quad (class B), with higher operating temperature with isolator

Approval: VdS

Same as 802171, but for increased operating temperature according to EN 54-5 class B.

Technical Data

Operating voltage	8 ... 42 V DC
Quiescent current @ 19 V DC	approx. 40 µA approx. 220 µA @ 42 V
Area to be monitored	max. 30 m ²
Height to be monitored	max. 6 m
Application temperature	-20 °C ... 65 °C
Detector specification	EN 54-5 BS / -17
Declaration of Performance	DoP-20411130701



Special marking for heat detector on the light pipe: black ring.

803171

Fixed heat detector IQ8Quad w/o isolator for wide operating temperature applications**NEW****Approval:** G 204058

As 802171, but without loop isolator and suitable for use in greater temperature range up to -30°C.

Technical Data

Operating voltage	8 ... 42 V DC
Quiescent current	approx. 0.22 mA (@ 42 V DC)
Quiescent current @ 19 V DC	approx. 40 µA
Area to be monitored	max. 30 m ²
Height to be monitored	max. 7.5 m
Application temperature	-30 °C ... 50 °C
Detector specification	EN 54-5 A1S
Declaration of Performance	DoP-20928130701

 Special labeling for heat detector on the light pipe: black ring

802271

Rate-of-rise heat detector IQ8Quad with isolator**Approval:** VdS, CNBOP, BOSEC

Automatic heat detector with a single thermistor to sense the air temperature around the detector. Fast semiconductor sensor guarantees reliable detection of fires with rapidly rising temperatures and integrated fixed temperature function for the detection of fires with slowly rising temperatures. Ideal for sensing in environments that are dirty or smoky under normal conditions, as well it is unaffected by wind or atmospheric pressure. Intelligent fire detector with decentralized intelligence, automatic function self-test, CPU failure mode, alarm and operating data memory, alarm indicator, soft-addressing and operating indication.

The detector is provided with an integrated isolator. A parallel detector indicator can be connected.

Technical Data

Operating voltage	8 ... 42 V DC
Quiescent current @ 19 V DC	approx. 40 µA
	approx. 220 µA @ 42 V
Area to be monitored	max. 30 m ²
Height to be monitored	max. 7.5 m
Application temperature	-20 °C ... 50 °C
Detector specification	EN 54-5 A1 / -17
Declaration of Performance	DoP-20103130701

 Special marking for heat detector on the light pipe: black ring.

803271

Rate-of-rise heat detector IQ8Quad w/o isolator**Approval:** VdS, CNBOP

Same as 802271, but without loop isolator.

The detector can be operated in a standard detector group as well as independently.

Technical Data

Operating voltage	8 ... 42 V DC
Quiescent current @ 19 V DC	approx. 40 µA
Area to be monitored	max. 30 m ²
Height to be monitored	max. 7.5 m
Application temperature	-20 °C ... 50 °C
Detector specification	EN 54-5 A1
DIBt approval	Z-6.5-1764 license system 8000-FSA Z-6.5-1759
	license system IQ8FSA 8619 Z-6.5-1808 license
	system 8000-FSA-PLus
Declaration of Performance	DoP-20930130701

802371

Optical smoke detector IQ8Quad with isolator**Approval:** VdS, CNBOP, BOSEC

Optical smoke detector which works using the light scatter principle to guarantee safe and early detection of fire. Responds well to slow-burning, smouldering fires. Intelligent fire detector with decentralized intelligence, automatic function self-test, CPU failure mode, alarm and operating data memory, alarm indicator, soft-addressing and operating indication. The detector is provided with an integrated isolator. A parallel detector indicator can be connected.

Technical Data

Operating voltage	8 ... 42 V DC
Quiescent current @ 19 V DC	approx. 50 µA approx. 280 µA @ 42 V
Area to be monitored	max. 110 m ²
Height to be monitored	max. 12 m
Application temperature	-20 °C ... 72 °C
Detector specification	EN 54-7 / -17
Declaration of Performance	DoP-20104130701

803371

Optical smoke detector IQ8Quad w/o isolator**Approval:** VdS, CNBOP

Same as 802371, but without loop isolator.
The detector can be operated in a standard detector group as well as independently.

Technical Data

Operating voltage	8 ... 42 V DC
Quiescent current @ 19 V DC	approx. 50 µA
Area to be monitored	max. 110 m ²
Height to be monitored	max. 12 m
Application temperature	-20 °C ... 72 °C
Detector specification	EN 54-7
DIBt approval	Z-6.5-1764 license system 8000-FSA Z-6.5-1759 license system IQ8FSA 8619 Z-6.5-1808 license system 8000-FSA-PLus
Declaration of Performance	DoP-20931130701

802375

OTblue multisensor fire detector IQ8Quad with isolator**Approval: VdS**

Multisensor fire detector with integrated optical sensor and heat sensor with enhanced false alarm management. The optical measurement chamber is provided with a patented developed sensor technology using a high-sensitive blue LED (instead of the commonly used red LED in Optical smoke detectors), enabling the detection of open fires, smoldering fires and fires with high heat generation. Especially for open fires, the classical ionization technology implemented in ionization detectors is replaced by the unique detection technology, unlike ionization detectors, this sensor works without a radioactive element which causes problems at the time of refuse disposal. The detector is capable of identifying the TF1 and TF6 test fires described in the EN 54-9:1982 specification. Well suited for sensitive environment, detection of invisible up to large aerosols. The OTblue multisensor is an intelligent detector with time-related signal analysis, signal correlation of the sensor data, decentralized intelligence, automatic function self-test, CPU failure mode, automatic adaptation to environmental conditions, alarm and operating data memory, alarm indicator and soft-addressing. The detector is provided with an integrated isolator and a parallel detector indicator can be connected.

Technical Data

Operating voltage	9 ... 42 V DC
Quiescent current @ 19 V DC	approx. 50 µA approx. 280 µA @ 42 V
Area to be monitored	max. 110 m ²
Height to be monitored	max. 12 m
Application temperature	-20 °C ... 50 °C
Material	ABS
Detector specification	EN 54-7/-5 A2 /-17, CEA 4021
Declaration of Performance	DoP-20113130701

802373

OT multisensor fire detector IQ8Quad with isolator**Approval: VdS**

Multisensor fire detector with integrated optical sensor and heat sensor which give both a combined signal as well as a separate heat signal for improved false alarm management, with time-controlled signal analysis and weighted data combination of both detector functions for detecting smoldering fires and fires with extreme heat generation. Intelligent detector with decentralized intelligence, self-function test, CPU redundancy mode, automatic adaptation to the environments, alarm and operating data storage, alarm indication and soft addressing. The loop isolator is integrated in the detector. A parallel detector indicator is additionally attachable.

Technical Data

Operating voltage	9 ... 42 V DC
Quiescent current @ 19 V DC	approx. 50 µA approx. 280 µA @ 42 V
Area to be monitored	max. 110 m ²
Height to be monitored	max. 12 m
Application temperature	-20 °C ... 50 °C
Detector specification	EN 54-7/-5 A2 /-17, CEA 4021
Declaration of Performance	DoP-20111130701

802374

O²T multisensor fire detector IQ8Quad with isolator**Approval:** VdS, CNBOP, BOSEC

Multisensor fire detector provided with two built-in optical smoke sensors with different scattered light angles as well as additional heat detector sensor evaluation to guarantee the detection of different types of fire from smoldering fires to open fires with constant sensitivity level. Smoke sensor signal identification to ensure smoke classification and reduction of false alarms caused by interferences, for instance, water vapor or dust. Used when early and reliable fire detection is requested. Because of its excellent detection characteristics and enhanced false alarm management, the detector is also able to identify the standardized TF1 and TF6 test fires. The O²T multisensor fire detector is also suitable for applications with higher temperatures of up to +65 °C. The detector is provided with an integrated isolator. A parallel detector indicator can be connected.

Technical Data

Operating voltage	8 ... 42 V DC
Quiescent current @ 19 V DC	approx. 60 µA approx. 330 µA @ 42 V
Area to be monitored	max. 110 m ²
Height to be monitored	max. 12 m
Application temperature	-20 °C ... 65 °C
Detector specification	EN 54-7/-5 B /-17, CEA 4021
Declaration of Performance	DoP-20105130701

803374

O²T multisensor fire detector IQ8Quad w/o loop isolator**Approval:** VdS, CNBOP

Same as 802374, but without loop isolator.
The detector can be operated in a standard detector group as well as independently.

Technical Data

Operating voltage	8 ... 42 V DC
Quiescent current @ 19 V DC	approx. 60 µA
Area to be monitored	max. 110 m ²
Height to be monitored	max. 12 m
Application temperature	-20 °C ... 65 °C
Detector specification	EN 54-7/-5 B, CEA 4021
DIBt approval	Z-6.5-1764 license system 8000-FSA Z-6.5-1759 license system IQ8FSA 8619 Z-6.5-1808 license system 8000-FSA-PLus
Declaration of Performance	DoP-20319130701

802473

OTG multisensor fire detector (CO) IQ8Quad with isolator



Approval: VdS

Multisensor fire detector with integrated smoke detector, heat detector and gas sensor (CO) with enhanced false alarm management, for preventive and early detection of deep-seated smouldering fires which give a lot of CO as well as flaming fires through combined evaluation of scattered light, temperature and gas. An alarm is actuated at carbon monoxide (CO) concentration levels that are life-threatening for humans. Less susceptible to false alarms caused by dust, as well earliest and reliable detection of fire development due to the additional detection of CO. Also a Technical Alarm (TAL) can be programmed with the flexible programmable CO threshold up to 150 ppm. The detector is provided with an integrated isolator. A parallel detector indicator can be connected.

Technical Data

Operating voltage	8 ... 42 V DC
Quiescent current @ 19 V DC	approx. 65 µA
Quiescent current @ FACP battery	approx. 225 µA @ 27,5 V approx. 360 µA @ 42 V
CO pre-alarm	approx. 75 ppm
CO alarm	approx. 100 ppm
Area to be monitored	max. 110 m ²
Height to be monitored	max. 12 m
Application temperature	-20 °C ... 50 °C
Detector specification	EN 54-7/-5 A2 /-17, CEA 4021
Declaration of Performance	DoP-20115130701



In the course of installation, we recommend testing the integrated CO sensor with our CO test gas (Part No. 805583) or CO capsule (Part No. 805553).

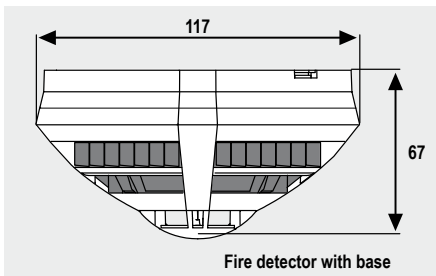
Durability CO sensor: 5 years

Technical alarm range CO: 10 ppm ... 150 ppm

Gas sensors (CO) mainly react to the carbon monoxide arising from a fire (CO). They have, however, also a cross sensitivity to other gases, as for example hydrogen (H₂), acetylene (C₂H₂) or nitric oxide (NO).

Special marking for gas detector on the light pipe: golden ring.

Detector with Integrated Alarm Devices



The IQ8Quad smoke detectors with built-in alarm device incorporate up to 4 different functionalities (detect, flash, sound, and/or speech) depending on the type (O²T/F, O²T/So, O²T/Sp, O²T/FSp) of detector.

- fire detection as per EN 54-7
- integrated heat sensor as per EN 54-5
- optical alarm via flash lamp
- acoustic alarm via sounder as per EN 54-3
- acoustic alarm speech messages

Detection

Multisensor fire detectors with two built-in optical smoke sensors with different scattered light angles as well as additional heat detector sensor evaluation for detecting everything from smoldering fires to open fires with consistent response performance. Smoke sensor signal identification to ensure smoke classification and reduction of false alarms caused, for instance, by water vapor or dust. Each detector is provided with an integrated isolator.

Alarm signaling

The alarm signaling device is activated from the control panel. No further short address needs to be allocated. It is programmed with tools 8000 version 1.05 or better.

Alarm tone / speech message programming


For detectors with speech message and/or alarm tone function with up to five language options, up to 4 signals can be programmed. Two signals are reserved for alarm signaling and evacuation in the case of fire. Two further signals can be programmed for other events. Each signal can consist of up to four signal components, enabling one signal to be programmed as a DIN tone combined with subsequent speech messages in three different languages.

Alarm tones can be chosen from a table with various tone types. For application in schools, a break signal to signify the breaks between class can be activated.

When the basic setting is selected, signals / signal components can be continuously repeated until the signaling function is interrupted by the control panel. They can also be programmed with a repetition rate of one to three times. Thus, the break signal in schools can be deliberately set to only one repetition. In the same way, the total signal can be set to continuous repetition, with the DIN tone being played only once while subsequent speech messages are played up to three times.


Sound pressure programming

The sound level [dB (A)] can be set to eight levels, from approximately 64 dB (A) to approximately 92 dB (A).

 All IQ8Quad detectors with built-in alarm devices and IQ8Alarm can only be operated on the powered loop. For physical reasons, an increased sound level leads to a higher current consumption rate of the alarm device and the corresponding load factor must be considered when calculating the maximum number on the loop. Altogether up to 127 bus devices per loop can still be connected.

Please consider that extra training is required when dealing with IQ8Quad with a built-in alarm device IQ8Alarm. The training includes installation planning and commissioning techniques. For further information take a look at our training brochure. Information concerning the calculation can be found in the "Project Planning Support" chapter. The Part No. 769836 demo package is available for presentations. Further data can be viewed in the accessories section for automatic detectors. For calculating the battery capacity of FACP, the detector data "quiescent current @ FACP battery" can be added.

Special colors on demand!






 Detector base is not supplied as standard

Accessories


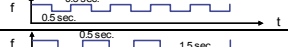
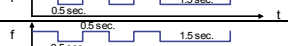

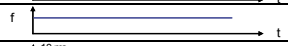

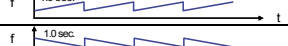

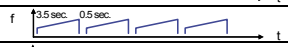
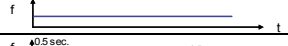




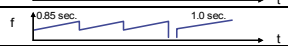




767800 Mounting bracket

805590 Standard detector base for IQ8Quad

Detector with Integrated Alarm Devices

Country code acc. to ISO 3166 -Alpha-2	Language code acc. to ISO 639-1	Evacuation 1	Evacuation 2	Alarm	Test-message	All-Clear
 Germany (DE)	de	Dies ist ein Feueralarm. Bitte verlassen Sie das Gebäude umgehend über die nächsten Fluchtwege. Die Feuerwehr ist alarmiert.	Achtung, Achtung! Dies ist eine Gefahrenmeldung. Bitte verlassen Sie das Gebäude über die nächsten Ausgänge.	Achtung, im Gebäude ist eine Gefahrensituation gemeldet worden. Bitte bleiben Sie ruhig, und warten Sie auf weitere Anweisungen.	Dies ist eine Testdurchsage.	Die Gefahrensituation ist jetzt behoben. Wir entschuldigen uns für jegliche Unannehmlichkeiten.
 Great Britain (GB)	en	This is a fire alarm. Please leave the building immediately by the nearest available exit.	Attention please. This is an emergency. Please leave the building by the nearest available exit.	An incident has been reported in the building. Please await further instructions.	This is a test message. No action is required.	The emergency is now cancelled. We apologize for any inconvenience.
 France (FR)	fr	Ceci est une alarme incendie, veuillez évacuer immédiatement les locaux par la sortie la plus proche.	Votre attention s'il vous plaît, ceci est une alarme. Veuillez évacuer les locaux par la sortie la plus proche.	Un incident est signalé dans le bâtiment. Merci de garder votre calme et attendez les prochaines instructions.	Ceci est un test.	L'alarme est à présent annulée. Veuillez nous excuser pour le désagrément.
 Spain (ES)	es	Esto es una alarma de incendio. Abandonen por favor el edificio inmediatamente por la salida de evacuación más cercana.	Atención. Esto es una emergencia. Por favor abandonen el edificio por la salida de evacuación más cercana.	Atención, se ha reportado un incidente en el edificio. Aguarden por favor otras instrucciones.	Esto es un mensaje de prueba. No se requiere ninguna acción.	La emergencia ha sido cancelada. Pedimos disculpas por las molestias causadas.
 Italy (IT)	it	Attenzione. Allarme incendio. Abbandonare l'edificio tramite l'uscita di emergenza più vicina.	Attenzione. Allarme in corso. Vi preghiamo di recarvi presso l'uscita di emergenza più vicina.	Attenzione. E' stato rilevato un allarme. Ulteriori disposizioni vi verranno comunicate appena possibile.	Attenzione. E' in corso una prova di allarme. Non è richiesta alcuna azione.	Attenzione. Cessato allarme. La situazione di normalità è stata ripristinata.

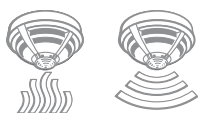
Standard speech messages of IQ8Quad detectors and IQ8Alarm - for other languages also refer to the appendix!

No.	Description	Frequency	Pulse rate
1	School bell	complex	complex
2	FP 1063.1 Telecoms BS 5839 Pt1	Alternating 800 / 970 Hz at 2 Hz	
3	BS 5839 Pt1	Alternating 800 / 970 Hz at 1 Hz	
4	BS 5839 Pt1	Intermittent 970 Hz at 1 Hz 0.5 sec.	
5	BS 5839 Pt1	Intermittent 2850 Hz at 1 Hz 0.5 sec.	
6	BS 5839 Pt1	Intermittent 970 Hz 1/4 sec. ON - 1 sec. OFF	
7	BS 5839 Pt1	Continuous 970 Hz	
8	BS 5839 Pt1	Sweep tone 800 Hz tp 970 Hz at 7 Hz	
9	BS 5839 Pt1	Sweep tone 800 Hz to 970 Hz at 1 Hz	
10	DIN Tone DIN 33404 Part 3	1200 - 500 Hz at 1 Hz	
11	French fire sound	554 Hz / 100 ms + 440 Hz / 400 ms + 10 %	
12	NL - Slow Whoop	500 Hz - 1200 Hz at 3.5 sec. break of 0.5 sec.	
13	US - Horn	Continuous 485 Hz	
14	US - Horn with Temporal Pattern	Intermittent 485 Hz (0.25 sec. ON; 0.5 sec. OFF; 3 times; 1.5 sec. OFF; Repeat)	
15	US - March Time	Alternating 485 Hz (0.25 sec. ON; 0.25 sec. OFF; Repeat)	
16	US - Slow Whoop	Sweep tone 500 Hz to 1200 Hz (4.0 sec. ON; 0.5 sec. OFF; Repeat)	
17	US - Siren	Sweep tone 600 Hz to 1200 Hz (1.0 sec. ON; Repeat)	
18	US - Hi/Lo	Alternating 100 Hz / 800 Hz (0.25 sec. ON; Alternate; 0.25 sec. ON; Alternate; Repeat)	
19	US - NFPA Whoop	Sweep tone 422 Hz to 775 Hz (upwards sweep 0.85 sec.; 3 times; 1 sec. OFF; Repeat)	
20	IMO GA-Signal	Intermittent 800 Hz (1.0 sec. ON; 1.0 sec. OFF; 7 times; 2.0 sec. ON; 2.0 sec. OFF; Repeat)	

IQ8Quad detectors and IQ8Alarm tone table

802382

O/So optical smoke detector IQ8Quad with isolator



Features

Detection

- The reliable sensor principle for consistent response performance at the highest level of security against false alarms

Sounder

- Loop powered - no need for external power supply
- Individual control of the sounder
- Tones can be used for other purposes in addition to warning of fire, making the device ideal for use in schools (school bell) etc.
- Soft start option, ideal for hospitals and nursing homes
- No additional short address
- Automatic synchronization of various IQ8Quad alarm signaling devices
- Maximum sound level: 92 dB (A) at 1 m
- Maximum sound pressure can be set
- Multiple signal components can be combined to one signal template
- Signal template and repetition rates can be set
- Up to 26 different languages are available
- 20 different signal tones, incl. DIN-tone
- Low power consumption

Approval: VdS

O/So optical smoke detector IQ8Quad with integrated sounder

Scatter smoke detector for safe and early detection of smoldering fires with light smoke generation. Intelligent detector with decentralized intelligence, automatic function self-test, CPU failure mode, alarm and operating data memory, alarm indicator, soft-addressing and operating indication. The detector is provided with a loop isolator.

Along with smoke detection components, the detector is provided with a built-in sounder.

Technical Data

Operating voltage	8 ... 42 V DC
Quiescent current @ 19 V DC	approx. 50 µA
Quiescent current @ FACP battery	approx. 320 µA @ 42 V
Load factor	2
Sound level	max. 92 dB (A), +/- 2 db (A) @ 1m for DIN tone
Area to be monitored	max. 110 m ²
Height to be monitored	max. 12 m
Air speed	0 ... 25.4 m/s
Application temperature	-20 °C ... 65 °C
Storage temperature	-25 °C ... 75 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP43 (with base + options)
Material	ABS plastic
Color	white, similar to RAL 9010
Weight	approx. 145 g
Detector specification	EN 54-7, EN 54-17
Specification	EN 54-3 acoustic signaling device
Dimensions	Ø: 117 mm H: 59 mm Ø: 117 mm H: 67 mm (incl. base)
Declaration of Performance	DoP-20242130701

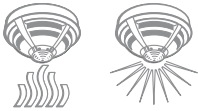


Not suitable for application in detector base Part No. 805591!



Detector base is not supplied as standard

802383

O²T/F multisensor fire detector IQ8Quad with isolator

Features

Detection

- The reliable O²T multisensor principle for consistent response performance at the highest level of security against false alarms
- Individual control of the beacon

Flash lamp

- Loop powered - no need for external power supply
- No additional short address
- Automatic synchronization of various IQ8Quad alarm signaling devices
- High flash energy

Approval: VdS

O²T/F multisensor fire detector IQ8Quad with integrated flasher

In addition to smoke detection with the conventional O²T multisensor technology, the detector is provided with a built-in flash lamp.

Technical Data

Operating voltage	8 ... 42 V DC
Quiescent current @ 19 V DC	approx. 75 µA
Quiescent current @ FACP battery	approx. 400 µA @ 42 V
Load factor	2
Lighting energy	approx. 3 Y
Luminous intensity	max. 15.8 cd peak / 2.63 cd effective
Signal flashing lamp	red
Area to be monitored	max. 110 m ²
Height to be monitored	max. 12 m
Air speed	0 ... 25.4 m/s
Application temperature	-20 °C ... 65 °C
Storage temperature	-25 °C ... 75 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP43 (with base + options)
Material	ABS plastic
Color	white, similar to RAL 9010
Weight	approx. 145 g
Detector specification	EN 54-7/-5 B/-17, CEA 4021
Dimensions	Ø: 117 mm H: 59 mm Ø: 117 mm H: 67 mm (incl. base)
Declaration of Performance	DoP-20193130701



Not suitable for application in detector base Part No. 805591!



Detector base is not supplied as standard

802384

O²T/So multisensor fire detector IQ8Quad with isolator

Features

Detection

- The reliable O²T multisensor principle for consistent response performance at the highest level of security against false alarms
- Individual control of the sounder

Sounder

- Loop powered - no need for external power supply
- No additional short address
- Automatic synchronization of various IQ8Quad alarm signaling devices
- Maximum sound level: 92 dB (A) at 1 m
- Maximum sound pressure can be set
- Multiple signal components can be combined to one signal template
- Signal template and repetition rates can be set
- Up to 26 different languages are available
- 20 different signal tones, incl. DIN-tone
- Low power consumption

Approval: VdS

O²T/So multisensor fire detector IQ8Quad with integrated sounder

In addition to smoke detection with the conventional O²T multisensor technology, the detector is provided with a built-in alarm signaling device. The sound level can be set to eight different levels.

Technical Data

Operating voltage	8 ... 42 V DC
Quiescent current @ 19 V DC	approx. 80 µA
Quiescent current @ FACP battery	approx. 450 µA @ 42 V
Load factor	2
Sound level	max. 92 dB (A), +/- 2 db (A) @ 1m for DIN tone
Area to be monitored	max. 110 m ²
Height to be monitored	max. 12 m
Air speed	0 ... 25.4 m/s
Application temperature	-20 °C ... 65 °C
Storage temperature	-25 °C ... 75 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP43 (with base + options)
Material	ABS plastic
Color	white, similar to RAL 9010
Weight	approx. 145 g
Detector specification	EN 54-7/-5 B/-17, CEA 4021
Specification	EN 54-3 acoustic signaling device
Dimensions	Ø: 117 mm H: 59 mm
	Ø: 117 mm H: 67 mm (incl. base)
Declaration of Performance	DoP-20192130701



Not suitable for application in detector base Part No. 805591!



Detector base is not supplied as standard

802386

O²T/Sp multisensor fire detector IQ8Quad with isolator

Features

Detection

- The reliable O²T multisensor principle for consistent response performance at the highest level of security against false alarms

Sounder

- Loop powered - no need for external power supply
- Individual control of the sounder
- Tones can be used for other purposes in addition to warning of fire, making the device ideal for use in schools (school bell) etc.
- Soft start option, ideal for hospitals and nursing homes
- No additional short address
- Automatic synchronization of various IQ8Quad alarm signaling devices
- Maximum sound level: 92 dB (A) at 1 m
- Maximum sound pressure can be set
- Multiple signal components can be combined to one signal template
- Signal template and repetition rates can be set
- 20 different signal tones, incl. DIN-tone
- Low power consumption

Speech message with sounder

- Loop powered - no need for external power supply
- No additional short address
- Automatic synchronization of various IQ8Quad alarm signaling devices
- Maximum sound level: 92 dB (A) at 1 m
- Maximum sound pressure can be set
- Multiple signal patterns can be combined to one signal
- Signal pattern and repetition rates can be set
- 20 different signal tones, incl. DIN-tone
- Speech messages can be played in up to 5 languages
- 5 alarm messages per languages are preprogrammed
- Up to 26 different languages are available

Approval: VdS

O²T/Sp multisensor fire detector IQ8Quad with integrated sounder and speech

In addition to smoke detection with conventional O²T multisensor technology, the detector is provided with a built-in voice alarm device. It can be set to eight different levels.

Technical Data

Operating voltage	8 ... 42 V DC
Quiescent current @ 19 V DC	approx. 90 µA
Quiescent current @ FACP battery	approx. 500 µA @ 42 V
Load factor	3
Sound level	max. 92 dB (A), +/- 2 db (A) @ 1m for DIN tone
Area to be monitored	max. 110 m ²
Height to be monitored	max. 12 m
Air speed	0 ... 25.4 m/s
Application temperature	-20 °C ... 65 °C
Storage temperature	-25 °C ... 75 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP43 (with base + options)
Material	ABS plastic
Color	white, similar to RAL 9010
Weight	approx. 145 g
Detector specification	EN 54-7/-5 B/-17, CEA 4021
Specification	EN 54-3 acoustic signaling device EN 54-3 acoustic speech signaling device
Dimensions	Ø: 117 mm H: 59 mm Ø: 117 mm H: 67 mm (incl. base)
Declaration of Performance	DoP-20192130701



Not suitable for application in detector base Part No. 805591!



Programmed with 5 languages: German, English, Spanish, French and Italian


802386.SV98

O²T/Sp multisensor fire detector IQ8Quad with isolator, composed version



Approval: VdS

Same as 802386, but special language. The maximum recording time per device is 169 seconds.

 When ordering, please note the "Ordering information for IQ8Quad and IQ8Alarm" and fill in "Order form for individual combination of languages" printed in the appendix. Programmed with an individual selection of up to 5 national languages.




802386.SV99

O²T/Sp multisensor fire detector IQ8Quad with isolator, customized version



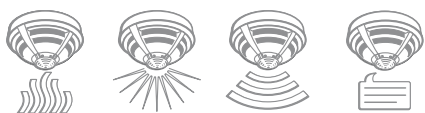
Approval: VdS

Same as 802386, but customized version. The maximum recording time per device is 169 seconds.

 When ordering, please note the "Ordering information for IQ8Quad and IQ8Alarm" and fill in "Order form for individual combination of languages" printed in the appendix. Programmed according to customer specifications.



802385

O²T/FSp multisensor fire detector IQ8Quad with isolator

Features

Detection

- The reliable O²T multisensor principle for consistent response performance at the highest level of security against false alarms

Flash lamp

- Loop powered - no need for external power supply
- No additional short address
- Automatic synchronization of various IQ8Quad alarm signaling devices
- High flash energy

Sounder

- Loop powered - no need for external power supply
- Individual control of the Sounder
- Tones can be used for other purposes in addition to warning of fire, making the device ideal for use in schools (school bell) etc.
- Soft start option, ideal for hospitals and nursing homes
- No additional short address
- Automatic synchronization of various IQ8Quad alarm signaling devices
- Maximum sound level: 92 dB (A) at 1 m
- Maximum sound pressure can be set
- Multiple signal components can be combined to one signal template
- Signal template and repetition rates can be set
- 20 different signal tones, incl. DIN-tone
- Low power consumption
- Speech message with sounder
- Loop powered - no need for external power supply
- No additional short address
- Automatic synchronization of various IQ8Quad alarm signaling devices
- Maximum sound level: 92 dB (A) at 1 m
- Maximum sound pressure can be set
- Multiple signal patterns can be combined to one signal
- Signal pattern and repetition rates can be set
- 20 different signal tones, incl. DIN-tone
- Speech messages can be played in up to 5 languages
- 5 alarm messages per languages are pre-programmed
- Up to 26 different languages are available

Approval: VdS

O²T/FSp multisensor IQ8Quad with integrated flasher, sounder and speech

In addition to smoke detection with the conventional O²T multisensor technology, the detector is provided with a built-in voice alarm device. It can be set to eight different levels.

Technical Data

Operating voltage	8 ... 42 V DC
Quiescent current @ 19 V DC	approx. 90 µA
Quiescent current @ FACP battery	approx. 500 µA @ 42 V
Load factor	3
Sound level	max. 92 dB (A), +/- 2 db (A) @ 1m for DIN tone
Lighting energy	approx. 3 Y
Luminous intensity	max. 15.8 cd peak / 2.63 cd effective
Signal flashing lamp	red
Area to be monitored	max. 110 m ²
Height to be monitored	max. 12 m
Air speed	0 ... 25.4 m/s
Application temperature	-20 °C ... 65 °C
Storage temperature	-25 °C ... 75 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP43 (with base + options)
Material	ABS plastic
Color	white, similar to RAL 9010
Weight	approx. 145 g
Detector specification	EN 54-7/-5 B/-17, CEA 4021
Specification	EN54-3 acoustic signaling device EN54-3 acoustic speech signaling device
Dimensions	Ø: 117 mm H: 59 mm Ø: 117 mm H: 67 mm (incl. base)
Declaration of Performance	DoP-20192130701

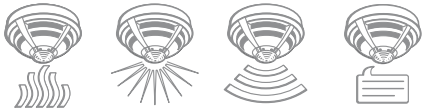


Not suitable for application in detector base Part No. 805591!



Programmed with 5 languages: German, English, Spanish, French and Italian

802385.SV98

O²T/FSp multisensor fire detector IQ8Quad with isolator, composed version

Features

Detection

- The reliable O²T multisensor principle for consistent response performance at the highest level of security against false alarms
- Individual control of the sounder and beacon
- Tones can be used for other purposes in addition to warning of fire, making the device ideal for use in schools etc.
- Soft start option, ideal for hospitals and nursing homes

Flash lamp

- Loop powered - no need for external power supply
- No additional short address
- Automatic synchronization of various IQ8Quad alarm signaling devices
- High flash energy

Sounder

- Loop powered - no need for external power supply
- No additional short address
- Automatic synchronization of various IQ8Quad alarm signaling devices
- Maximum sound level: 92 dB (A) at 1 m
- Maximum sound pressure can be set
- Multiple signal components can be combined to one signal template
- Signal template and repetition rates can be set
- Up to 26 different languages are available
- 20 different signal tones, incl. DIN-tone
- Low power consumption

Speech message with sounder

- Loop powered - no need for external power supply
- No additional short address
- Automatic synchronization of various IQ8Quad alarm signaling devices
- Maximum sound level: 92 dB (A) at 1 m
- Maximum sound pressure can be set
- Multiple signal patterns can be combined to one signal
- Signal pattern and repetition rates can be set
- 20 different signal tones, incl. DIN-tone
- Speech messages can be played in up to 5 languages
- 5 alarm messages per languages are pre-programmed
- Up to 26 different languages are available

Approval: VdS

O²T/FSp multisensor fire detector IQ8Quad with integrated flasher, sounder and speech

Same as 802385, but with an individual combination of up to 5 languages, see special order form in the appendix.

The maximum recording time per device is 169 seconds.

Technical Data

Operating voltage	8 ... 42 V DC
Quiescent current @ 19 V DC	approx. 90 µA
Quiescent current @ FACP battery	approx. 500 µA @ 42 V
Load factor	3
Area to be monitored	max. 110 m ²
Height to be monitored	max. 12 m
Air speed	0 ... 25.4 m/s
Application temperature	-20 °C ... 65 °C
Storage temperature	-25 °C ... 75 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP43 (with base + options)
Material	ABS plastic
Color	white, similar to RAL 9010
Weight	approx. 145 g
Dimensions	Ø: 117 mm H: 59 mm Ø: 117 mm H: 67 mm (incl. base)

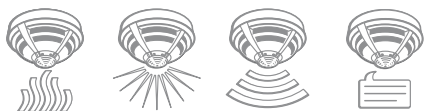


When ordering, please note the "Ordering information for IQ8Quad and IQ8Alarm" and fill in "Order form for individual combination of languages" printed in the appendix. Cancellations or returns are not possible. Not suitable for application in detector base Part No. 805591!



Programmed with an individual combination of up to 5 languages.

802385.SV99

O²T/FSp multisensor fire detector IQ8Quad with isolator, customized version

Features

Detection

- The reliable O²T multisensor principle for consistent response performance at the highest level of security against false alarms
- Individual control of the sounder and beacon
- Tones can be used for other purposes in addition to warning of fire, making the device ideal for use in schools etc.
- Soft start option, ideal for hospitals and nursing homes

Flash lamp

- Loop powered - no need for external power supply
- No additional short address
- Automatic synchronization of various IQ8Quad alarm signaling devices
- High flash energy

Sounder

- Loop powered - no need for external power supply
- No additional short address
- Automatic synchronization of various IQ8Quad alarm signaling devices
- Maximum sound level: 92 dB (A) at 1 m
- Maximum sound pressure can be set
- Multiple signal components can be combined to one signal template
- Signal template and repetition rates can be set
- Up to 26 different languages are available
- 20 different signal tones, incl. DIN-tone
- Low power consumption

Speech message with sounder

- Loop powered - no need for external power supply
- No additional short address
- Automatic synchronization of various IQ8Quad alarm signaling devices
- Maximum sound level: 92 dB (A) at 1 m
- Maximum sound pressure can be set
- Multiple signal patterns can be combined to one signal
- Signal pattern and repetition rates can be set
- 20 different signal tones, incl. DIN-tone
- Speech messages can be played in up to 5 languages
- 5 alarm messages per languages are pre-programmed
- Up to 26 different languages are available

Approval: VdS

O²T/FSp multisensor fire detector IQ8Quad with integrated flasher, sounder and speech

Same as 802385, but with individual text and/or sounds. The maximum recording time per device is 169 seconds.

Technical Data

Operating voltage	8 ... 42 V DC
Quiescent current @ 19 V DC	approx. 90 µA
Quiescent current @ FACP battery	approx. 500 µA @ 42 V
Load factor	3
Area to be monitored	max. 110 m ²
Height to be monitored	max. 12 m
Air speed	0 ... 25.4 m/s
Application temperature	-20 °C ... 65 °C
Storage temperature	-25 °C ... 75 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP43 (with base + options)
Material	ABS plastic
Color	white, similar to RAL 9010
Weight	approx. 145 g
Dimensions	Ø: 117 mm H: 59 mm Ø: 117 mm H: 67 mm (incl. base)



When ordering, please note the "Ordering information for IQ8Quad and IQ8Alarm" and fill in "Order form for individual combination of languages" printed in the appendix.

Costs for the recording of customer-specific texts and/or tones can be obtained by request.

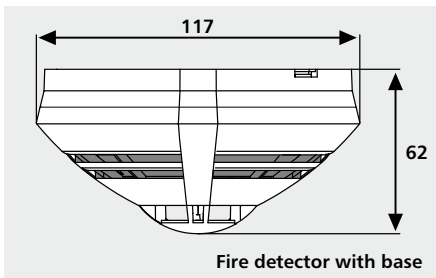
Cancellations or returns are not possible.

Not suitable for application in detector base Part No. 805591!



Programmed according to customer specifications.


Series IQ8Quad Ex (i)

**Technical Data****Data according to ATEX:**

Max. Input Voltage (U_i)	21 V DC
Max. Input current (I_i)	252 mA
Max. Output current (I_o)	10 mA
Max. internal capacity (C_i)	1 nF
Ambient temperature (T_a)	-20 °C ... 70 °C
EC-type examination certificate	TÜV 09 ATEX 554910
Ex-category	II 2G (with Ex barrier Part No. 804744 or 764744)
Explosion protection	Ex ib IIC T4 Gb

Common technical data:

Operating voltage	8 ... 42 V DC
Alarm current @ 9 V DC	typ. 18 mA
Air speed	0 ... 25.4 m/s
Storage temperature	-25 °C ... 75 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 43 (incl. base + option)
Material	ABS
Color	white, similar to RAL 9010
Weight	approx. 110 g
Dimensions	Ø: 117 mm H: 49 mm (62 mm incl. base)

 Detector bases are not supplied as standard.

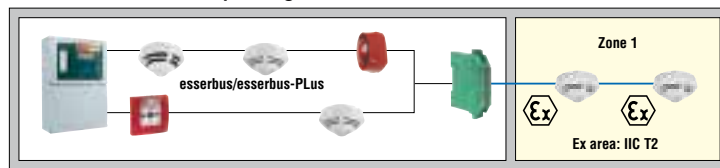
Fully addressable devices for installation in hazardous areas with direct connection of the Ex barrier (Part No. 804744) on the loop, without spending a loop address for the connection via a transponder as in case of the conventional connection.


Additional detectors for the explosion zones can be found in the chapters manual call points and special detectors. Detailed information about installation and operation can be found in the documentation (Part No. 798920) on our website.

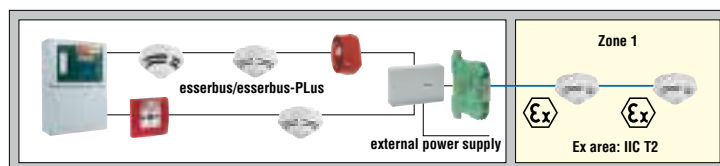
All of the following IQ8Quad intrinsically safe fire detectors must be operated with the Part No. 805590 base. In the case of operation in standard zones, no individual addressing is possible!

For usage in zone 1 and zone 2 in case of operation
 - with individual addressing the Ex barrier Part No. 804744,
 - in conventional zones the Ex barrier Part No. 764744 must be used!

The Ex barrier separates intrinsically safe and non-intrinsically safe circuits before the explosion prone area to be monitored (explosion zone).

Individual addressable operating

 Ex barrier (Part No. 804744)

Conventional operating

 Ex barrier (Part No. 764744)  esserbus transponder 4 zone / 2 relay

Application example

803271.EX

Rate-of-rise heat detector IQ8Quad Ex (i) w/o isolator**Approval:** VdS, ATEX

Automatic heat detector with a single thermistor to sense the air temperature around the detector. The fast semiconductor sensor for the reliable recognition of fires with a single thermistor to sense the air temperature around the detector. The fast semiconductor quick rate of temperature rise as well as integrated fixed temperature heat function for the recognition of fires with slow temperature rise. Ideal for sensing in environments that are dirty or smoky under normal conditions, as well it is unaffected by wind or atmospheric pressure.

Intelligent fire detector with decentralized intelligence, automatic function self-test, emergency mode, storage of alarm and operating data, alarm display. Soft addressing and separate operational display is only possible when operating an esserbus / esserbus-PLus IQ8Quad detector without loop isolator, especially for usage in explosion zones. Operation with individual addressing at Ex barrier Part No. 804744 and as standard detector at Ex barrier Part No. 764744.

Technical Data

Quiescent current @ 19 V DC	approx. 40 µA
Area to be monitored	max. 30 m ²
Height to be monitored	max. 7.5 m
Application temperature	-20 °C ... 50 °C
Detector specification	EN 54-5 A1R : 2002



Special marking for heat detector on light pipe: black ring

Accessories

805590 Standard detector base for IQ8Quad

803371.EX

Optical smoke detector IQ8Quad Ex (i) w/o isolator**Approval:** VdS, ATEX

Scattered-light smoke detector for reliable early recognition of fires. Responds well to slow-burning, smouldering fires. Intelligent fire detector with decentralized intelligence, automatic function self-test, emergency mode, storage of alarm and operating data, alarm display. Soft addressing and separate operational display is only possible when operating an esserbus / esserbus-PLus IQ8Quad detector without loop isolator, especially for usage in explosion zones. Operation with individual addressing at Ex barrier Part No. 804744 and as standard detector at Ex barrier Part No. 764744.

Technical Data

Quiescent current @ 19 V DC	approx. 50 µA
Area to be monitored	max. 110 m ²
Height to be monitored	max. 12 m
Application temperature	-20 °C ... 70 °C
Detector specification	EN 54-7 : 2006
Declaration of Performance	DoP-20914130701

Accessories

805590 Standard detector base for IQ8Quad

803374.EX

O²T multisensor fire detector IQ8Quad Ex (i) w/o isolator

Approval: VdS, ATEX

Intelligent detector with two integrated optical smoke sensors with different scattered-light angles as well as additional heat detector sensor evaluation for the recognition of smoldering fires up to open fires with uniform characteristics. Comparison of the heat sensor signals for smoke classification and reduction of false alarms by interferences, e.g. from steam or dust. Due to its excellent detection characteristics, and enhanced false alarm management, the detector is also able to recognize TF1 and TF6 test fires, described in the standards. The O²T intelligent detector is also suitable for a higher operating temperature of up to +65 °C. Used when early and reliable fire detection is requested. Intelligent fire detector with decentralized intelligence, automatic function self-test, emergency mode, storage of alarm and operating data, alarm display. Soft addressing and separate operational display is only possible when operating an esserbus / esserbus-PLus IQ8Quad detector without loop isolator, especially for usage in explosion zones. Operation with individual addressing at Ex barrier Part No. 804744 and as standard detector at Ex barrier Part No. 764744.

Technical Data

Quiescent current @ 19 V DC	approx. 60 µA
Area to be monitored	max. 110 m ²
Height to be monitored	max. 12 m
Application temperature	-20 °C ... 65 °C
Detector specification	EN 54-7:2006 / -5B:2000 / A1:2002, CEA 4021
Declaration of Performance	DoP-20915130701

Accessories

805590 Standard detector base for IQ8Quad

Accessories for IQ8Quad EX (i)

804744

Ex barrier for intrinsic safe detectors Series IQ8Quad Ex (i)



Approval: ATEX

Ex barrier for the operation of intrinsically safe IQ8Quad Ex (i) series detectors directly on the esserbus/esserbus PPlus with individual addressing in connection with the detector base Part No. 805590.

Technical Data

Ambient temperature	-20 °C ... 60 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 20
Weight	approx. 100 g
Specification	EN 54-18:2005
Dimensions	W: 20 mm H: 107 mm D: 115 mm



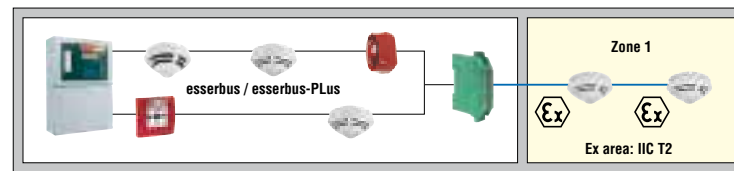
A safety barrier does not replace an overvoltage protection according to IEC 801, DIN VDE 0185 and 0855.

You can find more detailed information on the installation and the operation for IQ8Quad Ex (i) Series detectors in the documentation Part No. 798920.

System requirements

- Number of detectors up to max. 10 fire detectors per Ex barrier
- Max. 4 Ex barriers per loop.
- At least one esserbus device with a isolator must be installed between two Ex barriers.
- Total loop length up to max. 3,500 m.
- For each Ex barrier the total loop length must be reduced about 200 meters.
- Cable length (spur) within the Ex area max. 400 m per Ex barrier.
- Load factor 3 per Ex barrier (Use load factor calculation tool).

Individual addressable operating



Ex barrier (Part No. 804744)

Application example

764744

Ex barrier for intrinsic safe detectors Series IQ8Quad Ex (i) and 9100




Approval: ATEX

Ex-barrier for the operation of intrinsically safe IQ8Quad Ex (i) series detectors in connection with the detector base Part No. 805590 as well as the 9100 Ex (i) series in connection with the detector base Part No. 781590.

Technical Data

Ambient temperature (Ta)	-20 °C ... 60 °C
Air humidity	< 95 % (non-condensing)
Dimensions	W: 12.5 mm H: 115 mm D: 110 mm

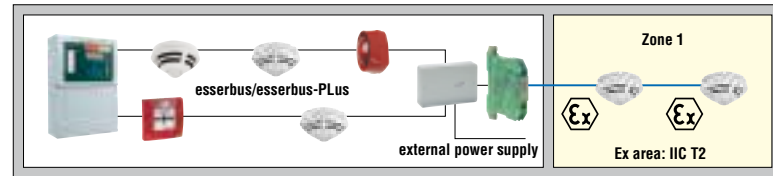
 A safety barrier does not replace an overvoltage protection according to IEC 801, DIN VDE 0185 and 0855. VdS approval is not required.

You can find more detailed information on the installation and the operation in the documentation Part No. 798920 for IQ8Quad Ex (i) series detectors and Part No. 798913 for 9100 Ex (i) series detectors.

System requirements

- Number of detectors up to max. 8 fire detectors per zone.
- Loop length per zone up to max. 300 m. (Total length measured from the terminals of the detector zone).

Conventional operating



Ex barrier (Part No. 764744)



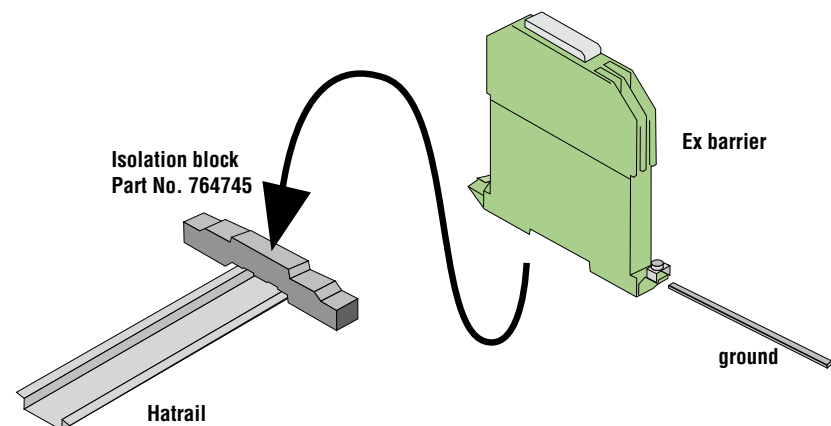
esserbus transponder 4 zone/2 relay

Application example

764745

Isolation and assembly block for safety Ex barrier

For insulated (earth-free) mounting of Part No. 764744 Ex barrier onto standard hat rail.



764752

Housing for Ex barrier



Polyester-housing for the installation of up to max. 10 Ex barriers with integrated inside mounting rail. Also for operational application under extreme environmental conditions suitable.

Technical Data

Type of protection	IP66
Housing	glass-fiber reinforced polyester
Color	gray, similar to RAL 7000
Dimensions	W: 255 mm H: 250 mm D: 160 mm



Mounting material

Features

- Chemically resilient
- Temperature resilient
- Flame retardant
- Non-corrosive
- Sea water resistant
- Non-halogen, UV resistant

764754

Cable gland for housing 764752



Threaded cable connection for housing Part No. 764752.

Technical Data

Ambient temperature	-20 °C ... 95 °C
Type of protection	IP66
Material	Polyamide
Color	blue, similar to RAL 9005
Cable diameter	8 mm

805590

Standard detector base for IQ8Quad



Features

- A lot of space for wire connection
- Automatic closing of the loop bus wiring system for detector extraction
- Detector extraction locking is enclosed in the base

Technical Data

Connection terminal	Ø 0.6 mm to 2 mm ²
Application temperature	-20 °C ... 72 °C
Storage temperature	-25 °C ... 75 °C
Material	ABS
Color	white, similar to RAL 9010
Weight	approx. 60 g
Dimensions	Ø: 117 mm H: 24 mm (incl. detector 62 mm)



Cable entry on the side or through the bottom plate.

Wago clamps for looping in wires, e.g. type 243-204 (Ø 0.5 mm - Ø 1.0 mm) or 273-104 (0.75 mm² - 2.5 mm²) can be mounted on the detector base.

805591

Detector base with relay contact for IQ8Quad



Features

- Provides a voltage-free contact controlled by the remote output of a detector
- Draws negligible current
- A lot of space for wire connection
- Automatic closing of the loop bus wiring system for detector extraction
- Detector extraction locking is enclosed in the base

IQ8Quad detector base with relay contact output. Contact: floating NO or NC contact selectable via jumper. Settings on site: NO contact.

Technical Data

Current consumption	5 µA (w/o detector, active relay)
Contact load relay	30 V DC/1 A
Connection terminal	Ø 0.6 mm to 2 mm ²
Application temperature	-20 °C ... 72 °C
Storage temperature	-25 °C ... 75 °C
Air humidity	< 95 % (non-condensing)
Material	ABS
Color	white, similar to RAL 9010
Weight	approx. 80 g
Dimensions	Ø: 117 mm H: 24 mm (incl. detector 62 mm)



Cable entry on the side or through the bottom plate. Connection of remote indicators not allowed!

Wago clamps for looping in wires, e.g. type 243-204 (Ø 0.5 mm - 1.0 mm) or 273-104 (0.75 mm² - 2.5 mm²) can be mounted on the detector base.

Not suitable for application with IQ8Quad with integrated alarm device Part No. 802383, 802384, 802385 and 802386 as well as 802385.SVxx and 802386.SVxx!


Accessories for Series IQ8Quad, ES Detect

805588

Detector cover for IQ8Quad w/o built-in alarm sounder



The cover plate protects the IQ8Quad detector against contamination during construction or renovation works.

 The detector covers can only be used for IQ8Quad fire detectors without built-in alarm sounder! Application only for detector types with Part No: 802171, 802271, 802371, 802374, 802375 and 802473.

 50 pcs

805587

Base cover for IQ8Quad



The cover plate protects the IQ8Quad detector base against contamination during construction or renovation works.


 50 pcs

805589

Detector cover for IQ8Quad with built-in alarm sounder



The cover plate protects the IQ8Quad detector against contamination during construction or renovation works.

 The detector covers can only be used for IQ8Quad fire detectors with built-in alarm sounder! Application only for detector types with Part No: 802283, 802384, 802386 and 802385.

 50 pcs

805571

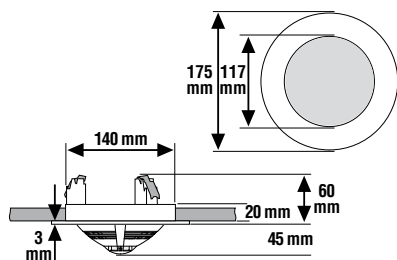
Flush mount kit for base IQ8Quad



Adapter for installation in ceilings and for mounting the detector bases IQ8Quad (Part No. 805590 and 805591) to the bottom side of false ceilings.

Technical Data

Application temperature	-20 °C ... 72 °C
Storage temperature	-25 °C ... 75 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 40
Material	ABS, plastic
Color	white, similar to RAL 9010
Weight	approx. 165 g (with surface ring)



Application example

805574

4" trim ring and snap-in mounting clips for IQ8Quad detector base

Snap-in mounting clips and trim ring for base installation, e.g. for installation on 4" electrical boxes. Take note, the label plate Part No. 805576 is not applicable.

Technical Data

Material	ABS plastic
Color	white, similar to RAL 9010
Dimensions	Ø: 155 mm H: 19 mm (outside)



1 x Trim ring and 2 x snap-in mounting clips



Application example

805576

Label plate for detector base IQ8Quad

Before or after the installation of the detector, the label plate can be inserted at the side slot of the IQ8Quad detector base.



For identification purposes the detector can be provided with the detector address and detector zone for ceilings with a maximum height of 3 m.

A label can be attached to the inscription field. Blank labels can be marked when using a PC, e.g. SIGEL Part No. LP725-white (58 x 18 mm) or other suppliers of writing materials.

There is a help file in the download area for creating the printing material.

Applicable for base 1x Part No. 805590/91 with 805570; for 805593.10, 805594.10.

Not to be used for base 1x Part No. 805590/91 in combination with 805571, 805572, 805573, 805574.



10 pcs



Application example


805577

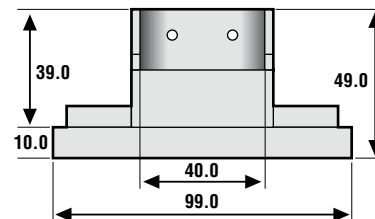
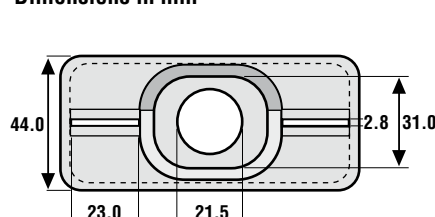
Mounting adapter for intermediate ceilings

The mounting adapter is used for the quick and secure attachment of bases of the IQ8Quad detector series, 9x00, IQ8Alarm and alarm signaling devices, parallel detector indicators, etc. to suspended ceiling systems. It saves the usage of special hollow cavity fasteners, since the mounting screws of the bases are screwed directly into the slots of the mounting adapter. The mounting adapter offers additional advantages in the fixing of the cables, rigid/flexible cable inlays and threaded cable connections.

Technical Data

Material	ABS
----------	-----

 10 pieces

Dimensions in mm

Application examples for fixing of the cables, rigid/flexible cable inlays and threaded cable connections

767800


Mounting bracket for lintel installation

Mounting bracket for all bases/detectors of the IQ8Quad group, series 9x00, RAS 2103 for IQ8Alarm including all alarm devices.

The distance between the mounting holes is 6 cm and the diameter is about 5 mm. Detector side L x W 175 x 90 mm; Wall side H x W 65 x 90 mm.

Technical Data

Material	aluminum
Color	white, similar to RAL 9010

 Mounting bracket and installation material

805570

IP 43 protection for detector base IQ8Quad, flat design

For installation in environments with dust and humidity. The IP protection protects the IQ8Quad detector base against dust and humidity. It increases the protection level to IP 43. For easy mounting to the base, the IP protection is provided with an adhesive film.

Technical Data

Type of protection	IP 43
Material	SBR/NR
Color	white, similar to RAL 9010
Dimensions	Ø: 117 mm H: 3 mm

 10 pcs

805572.50

NEW




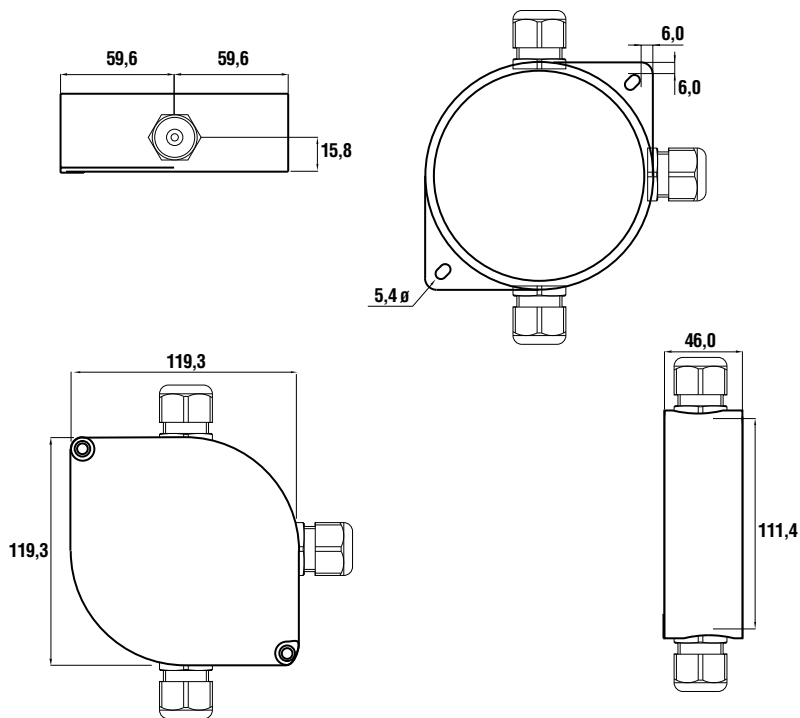
IP 43 damp room base adapter for IQ8Quad, ES Detect detector base

The damp room socket adapter was designed specifically for the surface mounted cable feed through cable protection pipes and has three breakthrough inputs for M20 cable glands (optional). Suitable for IQ8Quad and ES Detect detector base.

Technical Data

Type of protection	IP 43
Material	ABS
Color	white, similar to RAL 9010

 Please follow the installation instructions on the adapter!
Substitute for Part No. 805572



Application example (labeling field and cable glands optional)

805573



IP 43 protection for detector base IQ8Quad, deep design

Same as 805570, but as universal protection. Additionally, the seal prevents humidity from entering at the sides.

Technical Data

Type of protection	IP43
Material	rubber
Color	white, similar to RAL 9010


 5 pcs

805560

EMV isolator for IQ8Quad, ES Detect detector base



In fire alarm systems where a high electromagnetic interference/EMI load (e.g. by fluorescent lamps or electrical control devices) must be expected it is recommended to mount the EMI-Module in the standard detector base (Part No. 805590) of the corresponding fire alarm detectors.

 The EMI-Module must only be operated in conjunction with standard IQ8Quad detector base (without relay board) and only for detectors without integrated alarm devices (Part No. 802382 to 802386, incl. adapted variants).

 10 pcs



Application example

781482


Kit for suspended installation




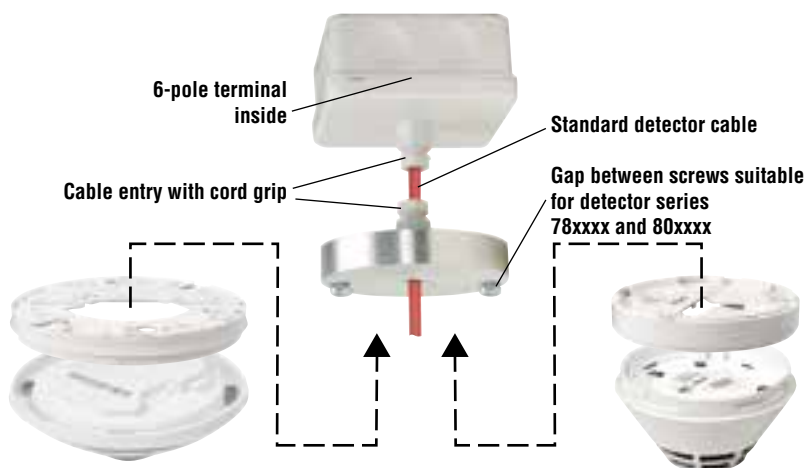
Kit for detector bases (Part No. 781590, 805590 and 805591) for suspended installation with pendulum stabilizer, cable entry at the top, pull relief by means of PG cable entry including junction box with terminals. The detector height can be adjusted individually depending on the cable length to bridge over the heat cushion below the ceiling.

Technical Data

Material	ABS plastic
Installation	attached to the zone cable
Color	white, similar to RAL 9010
Dimensions	Ø: 84 mm H: 15 mm (aluminum-stabilizer)

 It is not possible to use telescopic rods.
Not suitable for series 3000.

 As shown in the left picture



Detector base can be equipped with IP protection 805570 or 805573

781550

Protective cage

Protective cage for detectors
Steel basket for protection from damage and also unauthorized disconnection of the detector.

Technical Data

Material	steel with paint coating
Color	white, similar to RAL 9010
Dimensions	Ø: 140 mm H: 115 mm



Can be used with all bases, IP43 moisture-proof adapter, also for wireless base and wireless gateway.



Application example with IQ8Wireless detector base and IQ8Alarm

- 1
- 2
- 3
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- 12
- 13
- 14
- 15
- 16
- 17

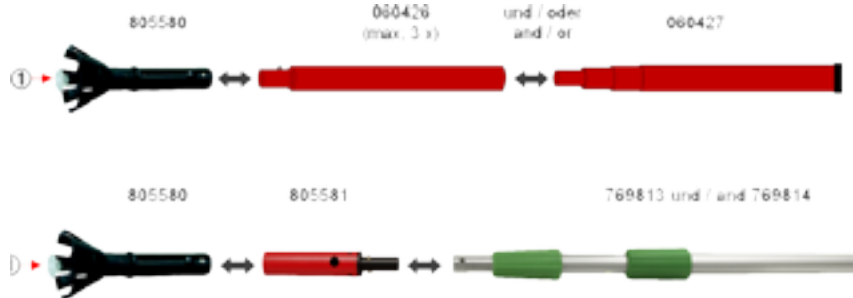
Testequipment for Several Detector Series

805580

Detector removal tool



It is suitable for removing series 9x00 as well as IQ8Quad detectors. Through optional adaptation of the suction cup to the corresponding insert on the detector removal tool, the IQ8Quad detector covers (Part No. 805588 and 805589) and the base covers for IQ8Quad (Part No. 805587) can be attached as well as removed. The detector removal tool can be adapted to the telescope rod Part No. 060426 and 060427 as well as with Part No. 805581 to 769813.



Application example

805581

Adapter for pole 769813



The adapter for the pole (Part No. 769813) is designed for attaching the Part No. 805580 detector removal tool and the Part No. 805582 smoke detector tester.

805586




Carrying bag for test equipment

The carrying bag has many pockets and compartments in which the ESSER smoke alarm testers, test gas bottles, all cables and other maintenance accessories can be stored. So everything you need for maintenance can always be found in one place. The upholstered, adjustable shoulder strap ensures very easy and comfortable transport. An additional advantage: the bag protects equipment from dirt and moisture.

Technical Data

Dimensions W: 480 mm H: 420 mm D: 260 mm (carrying bag)

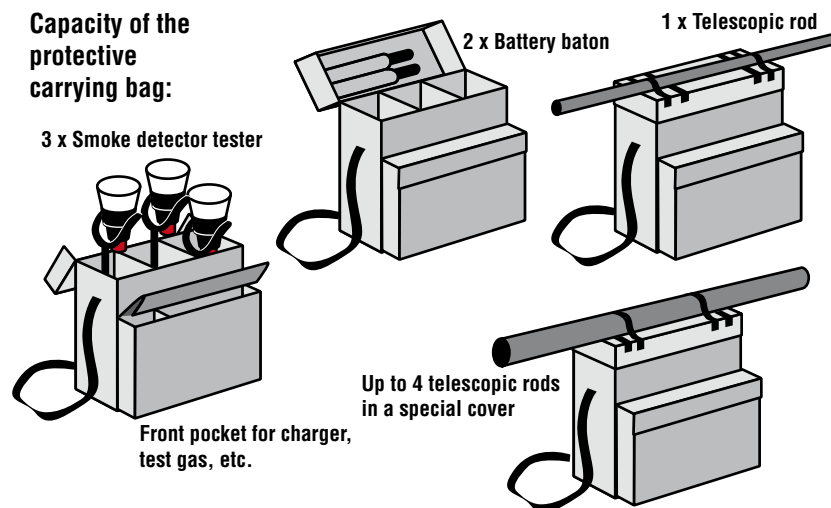
 1 x Carrying bag and 1 x cover for telescopic rods/extensions

Features

- Exterior lid with Velcro fastening transportation straps for telescopic rod and extensions
- Inside lid with 2 storage compartments for battery backs Part No. 060431
- Inside compartment with up to three optional dividers
- Big front pocket, with up to two optional dividers
- Wide shoulder strap with sliding shoulder pad and additional handles
- Cover with carrying strap for up to 4 telescopic rods Part No. 060427 and/or extensions 060426



Capacity of the protective carrying bag:



Capacity of the carrying bag

060427



Plastic telescopic rod

Extendable detector pull-down pole made of glass-fiber reinforced plastic for adapting the Part No. 805580 detector removal tool as well as testers with Part No. 060429 and 805582.

Technical Data

Material Fiberglass
Length 4.5 m

Features

- Length of 1.26 m in retracted state
- 4 segments, lockable

060426

Plastic telescopic extension

Telescopic extension for plastic telescopic rod (Part No. 060427). Up to 3 telescopic extensions can be attached to the telescopic rod. The maximum height that can be reached is increased to 9 m.



Technical Data

Material	Fiberglass
Length	1.13 m

Features

- Easy aid for daily maintenance of high ceilings
- Stable construction
- Important for attaching and releasing detectors
- Extremely high level of flexural strength due to fiber-plastic composite material
- Totalock TM for easy and secure locking

805551

Multi-stimulus detector tester TF 2001



Features

- Generation of smoke, heat and CO in a single test unit
- Clearing cycle of the detector via integrated ventilator for better reset
- Simultaneous or sequential testing with various stimuli
- Suitable for single and multi-criteria fire detectors
- Suitable for smoke-, heat- and gas- (CO) detectors
- Targeted heat rays provide fast activation of heat sensors (up to 90°C/194°F, and/or adjustable up to 100°C/212°F)
- Test activation via infrared barrier, no mechanical triggering, no ceiling contact necessary
- Easy, fast and efficient testing, as changing of testing device is not necessary
- Multilingual and user-friendly menu control: English, German, Spanish, French, Italian, Dutch, Swedish
- Battery operated portable device
- Environmentally friendly and safe through usage of test cartridges instead of test gas cans

Detector tester kit Testifire 2001 for the functional testing of point-type fire detectors with various sensors. The activating stimuli for smoke, heat and CO (carbon monoxide) are generated in this testing unit. Thus the changing of test tools for different types of detectors is no longer necessary. All fire detector types can be tested with only one test instrument. The test tool is suitable for all optical smoke detectors, ionization detectors, CO detectors and heat detectors. It facilitates fast and effective testing of single and intelligent multisensor fire detectors. So testing of the different sensors can be carried out one after another or for all at the same time. The required stimuli are generated on demand at the time of test from the corresponding capsule (smoke or CO). Pressurized gas cans are no longer being used. The selection of the testing stimuli, as well as their combination and sequence are menu driven via keypad and are represented on the display (multilingual). So e.g. simultaneous or sequential testing, or also a combination thereof, can be easily programmed and then carried out at the detector. The activation of the testing device occurs automatically, as soon as the detector interrupts the light barrier integrated in the device. If necessary, a clearing phase can be chosen between the specific testing criteria that enables the stimuli to be blown out of the detector immediately for the next test by the integrated ventilator. The currently active criterion is represented by a multi-colored LED indicator and is clearly recognizable even from large distances. The fill-level of the respective test resource capsules can be shown in the display. Warnings are indicated automatically e.g. if a capsule is nearly empty. The capsules offer much higher test capacities in comparison with aerosol cans. The power supply of the testing head occurs via Ni-MH batteries (metal hydride batteries) in the adapter between testing head and telescopic rod. Charging of the battery occurs with the charger optionally via adapter (100-230 V AC) or via 12 V DC input (vehicle cigarette lighter). Suitable for IQ8Quad and 9x00 detector series.

Technical Data

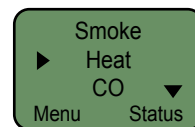
Battery charging	75-90 minutes
Heat detector response threshold	up to 90°C adjustable up to 100°C
Ambient temperature	5 °C ... 45 °C
Storage temperature	-10 °C ... 50 °C
Air humidity	< 85 % (non-condensing)



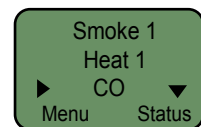
Detector tester kit Testifire 2001 consists of:
Testing head, smoke capsule, CO capsule, 2 Ni-MH battery packs, charger

Accessories

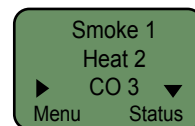
- 805552 Smoke capsule for multi-stimulus detector tester 805550/51
- 805553 CO capsule for multi-stimulus detector tester 805551 (Testifire TC3)
- 060426 Plastic telescopic extension
- 060427 Plastic telescopic rod
- 060431 Spare battery baton



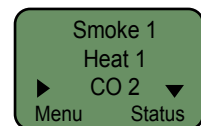
Example of testing with only one stimuli



Example of a simultaneous testing (smoke + heat at the same time)



Example of sequential testing (all criteria successively)



Example of combination of simultaneous and sequential testing

Selection of different test criteria displayed

805550

Features


- Creation of smoke and heat with one single test device
- Desmoking of detector via an integrated fan for fast resetting
- Simultaneous or successive testing with different activating materials
- Suitable for single and multi-criteria detectors
- Suitable for smoke and heat detectors
- Targeted heat radiation facilitates quick activation of the thermal sensors (up to 90°C/194°F and/or can be switched up to 100°C/212°F)
- Test activation through infrared barrier, no mechanical triggering, ceiling contact not necessary
- Quick, easy and efficient testing since there is no need to exchange test device
- Multilingual and user-friendly menu
- Portable battery-powered device
- Environmentally friendly and safe through usage of test cartridges instead of test gas cans

Multi-stimulus detector tester TF 1001

Same as 805551, but for testing of detectors with smoke and heat sensors. For testing CO consider multi-stimulus detector tester TF 2001 (Part No. 805551).

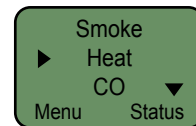
Technical Data

Battery charging	75-90 minutes
Heat detector response threshold	up to 90°C adjustable up to 100°C
Application temperature	5 °C ... 45 °C
Storage temperature	-10 °C ... 50 °C
Air humidity	< 85 % (non-condensing)

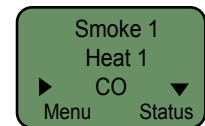
 Detector tester kit TF 1001 consists of:
Testing head, smoke capsule, 2 Ni-MH battery packs, charger

Accessories

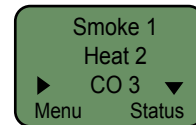
- 805552 Smoke capsule for multi-stimulus detector tester 805550/51
- 060426 Plastic telescopic extension
- 060427 Plastic telescopic rod
- 060431 Spare battery baton



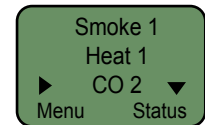
Example of testing with only one stimuli



Example of a simultaneous testing (smoke + heat at the same time)



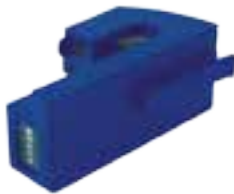
Example of sequential testing (all criteria successively)



Example of combination of simultaneous and sequential testing)

Selection of different test criteria displayed

805552



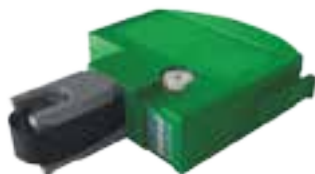
Features

- Non-flammable, non-toxic materials
- Production of test gas only during the testing
- Does not cause any residue in the sensor chamber
- Suitable for optical and ionization detectors
- No test gas storage under pressure – no dangerous goods
- More productivity than the spray can

Smoke capsule for multi-stimulus detector tester 805550/51

Replacement smoke capsule (Testfire TS3) for the testing of smoke detectors series IQ8Quad and 9x00 with optical and/or ionization sensors. Suitable for the multi-stimulus detector tester Part No. 805550/51.


805553

**Features**

- Non-flammable CO activating material
- Generation of small amounts of CO
- Generation of CO during testing only
- No storing of pressurized CO - no dangerous goods
- More productivity than the spray can

CO capsule for multi-stimulus detector tester 805551

Replacement CO capsule (Testifire TC3) for the testing of detectors with carbon monoxide sensors (CO). Especially suited for the OTG multisensor fire detector (CO) IQ8Quad with isolator (Part No. 802473). Suitable for the multi-stimulus detector tester Part No. 805551.


-  The OTG multisensor fire detector (CO) IQ8Quad with isolator (Part No. 802473) is generally tested either
- with the test gas Part No. 060430.10, suitable for the smoke detector tester Part No. 805582, or
 - with Part No. 805552, suitable for the multi-stimulus detector tester Part No. 805551.

The Part No. 802473 is VdS-approved as a smoke detector, the CO test gas is required for the additional triggering of the electrochemical CO gas cell.

805582

**Smoke detector tester**

The smoke detector tester is designed for electric function control for the IQ8Quad and series 9x00 detectors. After an aerosol has been released, the operation capacity of the measuring chamber can be tested by using the transceiver. The smoke detector tester is adapted to the rod (Part No. 060427).

-  The telescopic rod is not supplied as standard.

Accessories

- 060426 Plastic telescopic extension
060427 Plastic telescopic rod


060430.10

**Test gas for smoke detector tester 805582**

For IQ8Quad and series 9x00 detectors, suitable for smoke detector tester Part No. 805582.

Technical Data

Content	250 ml (per bottle)
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-  Not suitable for series 9000, 9100 and 9200 ionization smoke detectors. Please take note that this item has to be handled as dangerous goods (aerosols, non-flammable, UN1950)
See new alternative 805584!

Phase out date: 31.12.2013


805584

NEW**Test gas for smoke detector tester 805582**

For all IQ8Quad, ES Detect and series 9x00 detectors, suitable for smoke detector tester 805582.

Technical Data

Content	250 ml (per bottle)
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-  Also suitable for ionization detector of the 9000, 9100 and 9200 series. These are considered dangerous goods (aerosols/gases, flammable, UN1950). Substitute for Item No. 060430.10


805583

CO test gas for smoke detector tester 805582

Test gas for testing carbon monoxide CO-detectors. Specifically designed for the OTG multisensor fire detector (CO) IQ8Quad with isolator (Part No. 802473), suitable for smoke detector tester Part No. 805582.

Technical Data

Content	250 ml (per bottle)
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 The OTG multisensor fire detector (CO) IQ8Quad with isolator (Part No. 802473) should only be tested in connection with test gas Part No. 060430.10 suitable for smoke detector tester Part No. 805582. Detector Part No. 802473 has been approved as smoke detector by VdS and the CO test gas is used to additionally trigger the electrochemical CO-gas cell. Please take note that this item has to be handled as dangerous goods (aerosols, non-flammable, UN1950)

805585


Smokesabre test gas for smoke detectors**NEW**


Smokesabre is a test gas and manual testing device in one. The test gas is passed through the extensible pipe, which also serves to increase the range for the detector. Facilitates the triggering of smoke alarms in confined spaces, such as false ceilings/floors and is also applicable to low ceiling heights.

Suitable for all detectors of the series IQ8Quad, ES Detect, 9x00 and smoke extraction systems.

Technical Data

Content	150 ml (per bottle)
Dimensions	L: 193 mm L: 335 mm (with pulled-pipe)

 Also suitable for ionization detector of the 9000, 9100 and 9200 series. These are considered dangerous goods (aerosols/gases, flammable, UN1950).

 12 pieces



Application example

060429



Features

- Mains cable is not required for testing
- Power supply with rechargeable NiMH battery in the adapter of the telescopic rod
- Time based termination of testing after 120 seconds in order to prevent any heat-related damages of the detectors
- Detector head is switched off after not being used for 5 minutes
- Adjustable inclination angle of detector head for an optimal orientation towards the object which has to be tested
- Testing height up to 6 meters with telescopic rod and up to 9 meters with its extension device
- Excess-current protection for the battery
- Display of operating status of the detector head with Duo-LED (red/green)
- Battery can be charged via mains supply or via cigarette lighter in vehicles

Test head for heat detector together with battery and charger

Technical Data

Battery charging	75-90 minutes (if completely discharged)
Ambient temperature	5 °C ... 45 °C
Storage temperature	-10 °C ... 50 °C
Air humidity	< 85 % (non-condensing)



Test head, 2 battery batons, charger

Accessories

- 060426 Telescopic extension
- 060427 Plastic telescopic rod
- 060431 Spare battery baton

060431



Spare battery baton

Replacement battery pack (NiMH) for test head Part No. 060429 and 805551.

769870.20



Smoke detector tester

Smoke detector tester allows fast and reliable functionality testing for series IQ8Quad and 9x00 smoke detectors. Through reduced mechanically controlled actuation pressure, suspended installed detectors can also be tested. Control electronics guarantee a defined spray impulse. Spray can and batteries can be easily replaced.

Technical Data

Operating voltage	2 x 9 V batteries
Testing capacity	approx. 2000 applications / can



Telescopic rod Part No. 769813 is required.



1 x Test gas Part No. 769070
2 x 9 V batteries Part No 018051
1 x Bellows for IQ8Quad and 9x00

Phase out date: 31.12.2013


Accessories


- 769070 Test gas
- 018051 9 V battery

769871.20

**Conversion kit for smoke detector tester 769870/769870.10**

The conversion kit is used for the smoke detector tester (Part No. 769870 and 769870.10) to test the functions of IQ8Quad and 9x00 smoke detectors. The conversion kit includes special contact fields to test smoke detectors and the associated expansion bellows.

 Substitute for 769871!

 1 x Bellows for series IQ8Quad and series 9x00
1 x Contact spring
3 x Fixing screws

Phase out date: 31.12.2013

769813

**Telescopic rod**

For smoke detector tester Part No. 769870.20 (length 3.75 m, three pieces, locking devices).

Technical Data

Length	3.75 m
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769814

**Extension pole**

For smoke detector tester Part No. 769870.20, detector removal tool 805580 and telescopic rod Part No. 769813 (length 4 m, two pieces, locking devices).

Technical Data


Length	4 m
--------	-----

769080

**Smoke pellets for testing purposes**

Pellets for the generation of dense bright smoke. To charge detectors with smoke for testing purposes and verification of air flow. The pellets are lit with an open flame (e.g. matches, lighter etc.). Extinguishing is not necessary. Please ensure the use of a non-flammable base. After ignition the pellet will burn to complete ash (without formation of flames).

 Without oil

 6 pcs. smoke pellets

Features

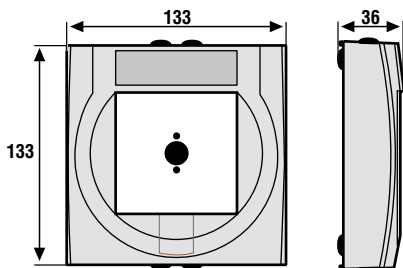
- 40 sec. burning-time per smoke pellet
- 18 m³ smoke produced per smoke pellet



Manual Call Points

Large Design (ABS)	150-154
Large Design (Aluminum)	155-157
Accessories for MCP large design	158-162
Small Design (ABS)	163-170
Accessories for MCP small design	171-172
Special Design	173-175

Large Design (ABS)



Features

- Slimline design
- Low power consumption
- Plug-in connection clamps
- Optional terminal clamps
- 2 x cable entries on top, at the bottom and on the rear panel
- Fixing on standard flush mounted installation box
- Test function via manual call point service key
- Detectors that are not ready for operation can be marked with the "Out of order" label by reversing the enclosed operating front foil

The advanced generation of manual call points with fragile elements meets the latest multicultural requirements of the EN 54 - 11 standards as type B (double action). The elegant detector housing, available in 5 different RAL colors, is provided with a pictogram, which is easy to comprehend for foreign people, illiterates as well as children.

Depending on individual requirements, optional labeling foils can be used which can easily replace the pictogram without special tools. The triggering element is protected by a pane of glass and is indicated by arrows.

If required, optional labeling foils can be used, which can easily replace the pictogram. The triggering element is protected by a glass pane and is indicated by arrows. The innovative manual call points can be tested by using the service key to activate the triggering mechanism, which is hidden by a faceplate. Clever design structures allow easy installation.

The manual call points consist of a housing and an electronic module, each of the two parts must be ordered separately.

i Type B definition - double action in accordance with EN 54-11 § 3.4.2 (Excerpt taken from EN standard):

Manual fire alarm unit, for which the alarm status cannot be set until an alarm is additionally triggered by the user after the fragile element has been broken or its position, has been changed.

Take note, for a LARGE MCP you have to order the electronic module and the MCP housing separately to have a complete MCP.

Not all possible combinations of electronic modules and housings are approved by VdS. When using the manual call point as a fire detector for manual actuation in compliance with the EN 54-11 standards, a red housing together with the provided pictogram must be used. When using the manual call point in heat exhaust or extinguishing system areas, the appropriate housing color must be chosen in compliance with the correct standards.

Wago clamps for looping in wires, e.g. type 273-100 (0.5 mm² - 1.5 mm²) or 273-104 (0.75 mm² - 2.5 mm²) can be mounted on the detector base.



MCP out of order



Easy to maintain the change of condition by turning the operating foil



MCP ready for use

Application example

Plastic Housings



Housings for electronic module 80490x.

Technical Data

Type of protection	IP 44
Housing	ASA plastic
Installation	surface mount
Weight	approx. 83 g (w/o electronic module)
Dimensions	W: 133 mm H: 133 mm D: 36 mm

- Housing with glass pane (Part No. 704910)
- Plastic key (Part No. 769910)

Accessories

- 704910 Spare glass for manual call points
- 769910 Plastic spare key
- 769911 Metal key for large MCP
- 769916 Service key
- 704917 Option IP 55 shrink sleeve for large MCP 80490x
- 704911 Universal foil for large MCP housing ABS

704900

MCP housing large with glass pane, red, similar to RAL 3020

Pictogram according to EN54-11

Technical Data

Dimensions	W: 133 mm H: 133 mm D: 36 mm
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- The red manual call point housing is only available with the pictogram (as shown) in compliance with EN 54-11. Please note that in compliance with EN54-11 the labeling must come with the burning house symbol.

704901

MCP housing large with glass pane, blue, similar to RAL 5015

- The Part No. 804902 electronic module in a blue housing complies with the EN 12094-3 and thus can be applied as an electronic stop button for gas extinguishing systems in dry, non-hazardous production sites. For different use such as application as "HOUSE ALARM" push button, ready-made labels are provided.

- Labeling foil set (white) for various international applications.

704902

MCP housing large with glass pane, yellow, similar to RAL 1021

- The Part No. 804900 or 804901 electronic module in a yellow housing 704902 complies with the EN 12094-3 and thus can be applied as electronic control module for gas extinguishing systems in dry, non-hazardous production sites. For different use such as application as "HOUSE ALARM" push button, ready-made labels are available.

- Labeling foil set (black) for various international applications.

704903

MCP housing large with glass pane, orange, similar to RAL 2011

- Labeling foil set (black) for various international applications.

704904

MCP housing large with glass pane, green, similar to RAL 6002

- Labeling foil set (white) for various international applications.

Electronic Modules - Conventional

**Technical Data**

Operating voltage	8 ... 30 V DC
Alarm current @ 9 V DC	typ. 9 mA
No. of detector/zone	10 detectors per zone (according to VdS)
Alarm display	LED, red
Connection terminal	max. 2.5 mm ² (AWG 26-14)
Application temperature	-20 °C ... 70 °C
Storage temperature	-30 °C ... 75 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP44 (in housing), IP55 (with accessory)
Housing	PC ASA plastic
Weight	approx. 236 g (with housing)
Detector specification	EN 54-11, Type B
Dimensions	W: 133 mm H: 133 mm D: 36 mm


804900

Conventional MCP electronic module**Approval: VdS, CNBOP**

With alarm indicator, suitable for connection to a standard detector zone.

Technical Data

Declaration of Performance	DoP-20482130701
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 In combination with the yellow housing (Part No. 704902), the electronic module is approved as an electronic control unit for gas extinguishing systems.

The Part No. 804900 electronic module with yellow housing conforms to the EN 12094-3 standard and can be used as an electronic control unit for gas extinguishing systems in dry, non-hazardous industrial premises.


804901

Conventional MCP electronic module with 2nd microswitch**Approval: VdS, CNBOP**

Same as 804900, but with second microswitch with dry contact NC/C (break) or NO/C (make) that is activated when the alarm is triggered.

Technical Data

Contact load	30 V DC / 1 A
Declaration of Performance	DoP-20482130701

 In combination with the yellow housing (Part No. 704902), the electronic module is approved as an electronic control unit for gas extinguishing systems.

The Part No. 804901 electronic module with yellow housing conforms to the EN 12094-3 standard and can be used as an electronic control unit for gas extinguishing systems in dry, non-hazardous industrial premises.

804902

Conventional MCP electronic module w/o snap-on function




Approval: VdS with blue housing 704901

Same as 804900, but without snap-on function.

Technical Data

Declaration of Performance DoP-20195130701

 This electronic module is only approved as an electric stop push-button for gas extinguishing systems when combined with the blue housing (Part No. 704901). The electronic module Part No. 804902 with blue housing complies with the EN 12094-3 standard and therefore it can be used as an electric stop push-button for gas extinguishing systems in dry, non-hazardous branches.

In case the manual call point is used as a "house alarm" push-button, pre-printed labels are provided in the manual call point package.

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17

Electronic Modules for Series IQ8MCP - Addressable



Technical Data

Operating voltage	8 ... 42 V DC
Quiescent current @ 19 V DC	approx. 45 µA
Alarm current w/o communication curtain	approx. 18 mA
No. of detector/zone	10 detectors per zone, 127 detectors/loop (according to VdS)
Operation indicator	LED, green
Alarm display	LED, red
Connection terminal	max. 2.5 mm ² (AWG 26-14)
Application temperature	-20 °C ... 70 °C
Storage temperature	-30 °C ... 75 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 44 (in housing), IP 55 (with accessory)
Housing	PC ASA plastic
Weight	approx. 236 g (in housing)
Detector specification	EN 54-11, type B
Dimensions	W: 133 mm H: 133 mm D: 36 mm

804905

IQ8MCP electronic module with isolator



Approval: VdS, CNBOP

Addressable electronic module suitable for use in the esserbus and powered loop with alarm latch and alarm indicator. Optional connection for conventional MCP. Without BUS connection, the detector operates as conventional MCP. Built-in loop isolator in the manual call point. An external detector zone (D-line) could be connected with up to ten conventional manual call points (internal Alarm resistor for each detector 1 KOhm) - e.g. Part No. 804900 or 804901 to this IQ8 manual call point model and configure required operation with tools 8000. When an alarm is triggered the address and the programmed additional text of the MCP IQ8 to which the conventional zone is connected are displayed automatically. Cable length of the D-line max. 500 meters!

Technical Data

Type of protection	IP44 (in housing), IP55 (with accessory)
Detector specification	EN 54-11, typ B
Declaration of Performance	DoP-20489130701

804906

IQ8MCP electronic module w/o isolator, with relay




Approval: VdS

Addressable electronic module with floating contacts of a changeover relay NC/C (break) or NO/C (make), suitable for use in the esserbus and powered loop with alarm latch and alarm indicator. Without BUS connection, the detector operates as conventional MCP. Without built-in loop isolator and optional connection for conventional MCP.

The relay output is activated with the triggering of this detector. The relay output can be programmed in the System 8000 and IQ8Control FACP customer data as a control group.

Technical Data

Contact load relay	30 V DC / 1 A
Declaration of Performance	DoP-20488130701


 Both housing and electronic module need to be ordered. Not all possible combinations of electronic modules and housings are approved by VdS. The approved combinations are listed in the VdS approval field for the corresponding electronic module.

Aluminum Die-Cast Housings



Technical Data

Type of protection	IP43, IP54 with kit 704070
Material	aluminum, die-cast
Installation	surface mount
Weight	approx. 600 g
Dimensions	W: 126 mm H: 126 mm D: 42 mm

 Housing with glass pane and plastic key, fixing material, 1 x multilingual "Out of order" paper insert, 2 x cable entries, 2 x dummy plugs

Accessories

- 704910 Spare glass for manual call points
- 769910 Plastic spare key
- 769911 Metal key for large MCP 80490x

704801.10

MCP housing ALU, large, glass pane



Printed with pictograms in accordance with EN 54-11.

Technical Data

Color	red, similar to RAL 3000
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704801.11

MCP Housing ALU, large, glass pane



printed with pictograms in accordance with EN54-11

Technical Data

Color	red, similar to RAL 3000
-------	--------------------------

704804

MCP housing with glass, print: house alarm

Technical Data

Color	red, similar to RAL 3000
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704854

MCP housing with glass, print: house alarm

Technical Data

Color	blue, similar to RAL 5009
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704874

MCP housing with glass, print: house alarm

Technical Data

Color	yellow, similar to RAL 1018
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Neutral Housings w/o Print

704800

MCP housing ALU, large, neutral

Technical Data

Color red, similar to RAL 3000

704850

MCP housing ALU, large, neutral

Technical Data

Color blue, similar to RAL 5009

704870

MCP housing ALU, large, neutral

Technical Data

Color yellow, similar to RAL 1018

704890

MCP housing ALU, large, neutral

Technical Data

Color gray, similar to RAL 7035

Electronic Modules for Series 9000

704477.10

Conventional MCP electronic module with 2nd micro-switch,
Series 9000

Approval: VdS with housing 704801.10

Printed with pictograms in accordance with EN 54-11

Technical Data

Operating voltage	8 ... 30 V DC
Alarm current @ 9 V DC	typ. 9 mA
Contact load	30 V DC/1A
No. of detector/zone	10 detectors per zone (according to VdS)
Alarm display	LED, red
Connection terminal	0.6 ... 1.5 mm ²
Application temperature	-20 °C ... 70 °C
Storage temperature	-30 °C ... 75 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP43 (with housing) IP 54 (with housing and option 704070)
Weight	approx. 100 g (w/o housing)
Detector specification	EN 54-11, type B
Dimensions	W: 95 mm H: 95 mm D: 25 mm
Declaration of Performance	DoP-20478130701

Electronic Module for Series 9200

804473.10

Addressable MCP electronic module with zone isolator, Series 9200

Approval: VdS with housing 704801.10

Printed with pictograms in accordance with EN 54-11

Technical Data

Operating voltage	8 ... 42 V DC
Quiescent current @ 19 V DC	approx. 45 μ A
Alarm current @ 9 V DC	typ. 9 mA
Alarm current w/o communication curtain	approx. 18 mA
Contact load	30 V DC/1A
No. of detector/zone	10/zone, 127/loop (VdS)
Alarm display	LED, red
Connection terminal	0.6 mm ... 1.5 mm ²
Application temperature	-20 °C ... 70 °C
Storage temperature	-30 °C ... 75 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP43 (with housing) IP 54 (with housing and option 704070)
Weight	approx. 100 g (w/o housing)
Detector specification	EN 54-11, type B
Dimensions	W: 95 mm H: 95 mm D: 25 mm
Declaration of Performance	DoP-20481130701

Accessories for MCP large design

704910

Spare glass pane for MCP housing 70490x, 7048xx und 761694



Spare glass pane for detector housings large design Part No. 70490x, 7048xx, 761694 and 761697 in compliance with EN 54-11.

Technical Data

Dimensions W: 80 mm H: 80 mm

10 pcs

701040

Spare glass pane red for MCP housings 7047xx and 7048xx



Spare glass pane, printed with red circle segments (similar to RAL 3000) for all Part No. 7047xx and Part No. 7048xx manual call points (large design).

Technical Data

Dimensions W: 80 mm H: 80 mm

10 Multilingual "Out of order" paper labels are included.

10 pcs

769921

"Out of order" sign, multilingual for 7047xx, 7048xx and 70490x



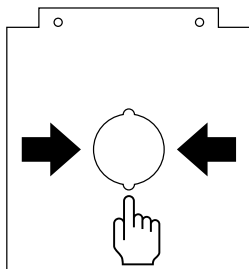
Plastic sign for all Part No. 7047xx, 7048xx and 70490x manual call points (large design).

Technical Data

Dimensions W: 80 mm H: 80 mm

704915

Operating foil for large MCP 80490x, neutral



Replacement operating panel foil, neutral without logo, for large design Part No. 80490x manual call points in resistant plastic design. The foil is designed as a double-sided insert. Complementing the standards-compliant symbolism for manual fire alarms according to EN 54-11 (type B), it contains a symbol on the back for the removal from service of the alarm and is easily accessible at all times for possible maintenance operations. The "Out of order" representation occurs via an internationally understandable construction worker symbol and multilingual text.

Technical Data

Material PP (0.3 mm)
Dimensions W: 72 mm H: 75.7 mm

10 pcs.



MCP "Out of order"



Easy to maintain the change of condition by turning the operating foil.



MCP "Ready for use"

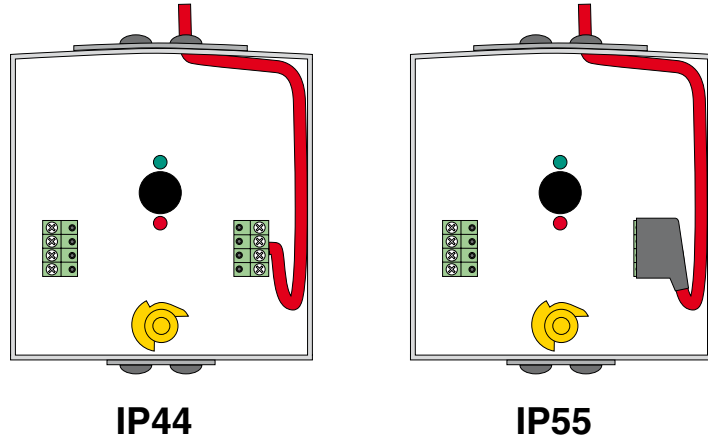
Application example

704917

Option IP55 shrink sleeve for large MCP 80490x

10 shrink sleeves for clamp terminals to increase protection class to IP55.

 10 pcs



Application example without (IP44) and with (IP55) shrink sleeve


704911

Front foil with universal text for large MCP ABS, white lettering

STOPP-TASTER Gaslöschanlage	Alarm d'urgence extinction	Emergency Stop Gas extinguishing system	AMOK-ALARM 
RAUCHABZUG	Alarm d'urgence Système extinction à gaz	PARADEM EMERGENCIA Sistema de extinción	POŻAR 
Prüfmelder	PARO EMERGENCIA Sistema de extinción	PARADEM EMERGENCIA Sistema de extinción	POŻAR 
Hausalarm	ONTRUIMING	BLUSSING BLOKKEREN Gasstop en blussen	Feuerwehr Fuego
Feuerwehr	Fogo	Fire	Fuego

similar image




Universal, punched foil set (transparent with white imprint) for the labeling field, different from the standard version.

 Transparent foil with white lettering.

 10 pcs

704912

Front foil face with universal text for large MCP ABS, black lettering

HANDAUSLÖSUNG Gaslöschanlage	MANUAL RELEASE Gas extinguishing system	Déclenchement extinction	AMOK-ALARM 
RAUCHABZUG	BLUSSING ACTIVIEREN Gas stoppen, impo natuuren	COMMANDE MANUELLE Système d'extinction à gaz	POŻAR 
Prüfmelder	START GASZENIA	DISPARO MANUAL Sistema de extinción	POŻAR 
Hausalarm	ODDYMIANIE	DISPARO MANUAL Sistema de extinción	744804

Same as 704911, but with black imprint.

 10 pcs

704070

IP 54 kit for large MCP 7048xx



Cable entries to increase protection class from IP 43 to IP 54 for manual call points in die-cast aluminum housings (Part No. 7048xx).

Technical Data


Material	PS
Color	gray, similar to RAL 7035
Cable diameter	6 mm

 as shown

769910

Plastic key for large MCP

Plastic key type D for all manual call points (large design).


 Please note that for activating the test functionality of electronic modules (Part No. 80490x), the service key Part No. 769916 is required.



769911

Metal key for large MCP

Metal key type D for all detector housings (large design).

 Please note that for activating the test functionality of electronic modules (Part No. 80490x), the service key Part No. 769916 is required.



769916

Service key for electronic module (Part No. 80490x)

With this metal service key, the test functionality of the manual call point is activated and reset by authorized persons only.

The key is suitable for all electronic modules with Part No. 80490x from index 05 and yellow locking.




781682


Weather protective cover for MCP housings 7047/48xx, red

Protective housing with protruding roof edge, for all Part No. 7047xx and 7048xx detector housings for increased mechanical protection as well as for protection from bad weather conditions.

Technical Data

Material	PVC
Color	red, similar to RAL 3000
Dimensions	W: 135 mm H: 153 mm D: 62 mm

 Please mention for the manual call point, large design plastic (e.g. IQ8MCP), the protection cover Part No. 781693 and the related accessories.

 Weather protective cover and mounting material




781692

Weather protective cover for MCP housings 7047/48xx, blue

Same as 781682, but blue color.

Technical Data

Color	blue, similar to RAL 5009
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 Weather protective cover and mounting material



781693

Protective cover for manual call points, German





Features

- Easy to install

Technical Data

Ambient temperature	-40 °C ... 49 °C
Type of protection	IP 44
Material	Polycarbonate
Weight	approx. 590 g
Dimensions	W: 180 mm H: 260 mm D: 100 mm

 This protective cover prevents false alarms, without hampering real alarms. This device consists of a rack and a lid, made of transparent polycarbonate. It prevents inadvertent activation, vandalism, dust and water from triggering false alarms. The protective cover is suitable for all manual call points.

 Accessory for installation



Application example

781694

Protective cover for manual call points, English

Same as 781693, but English.

781696

Protective cover for manual call points, Italian

Same as 781693, but Italian.

781698


Surface spacer for protective cover

The spacer is required for surface mount wiring.



Technical Data

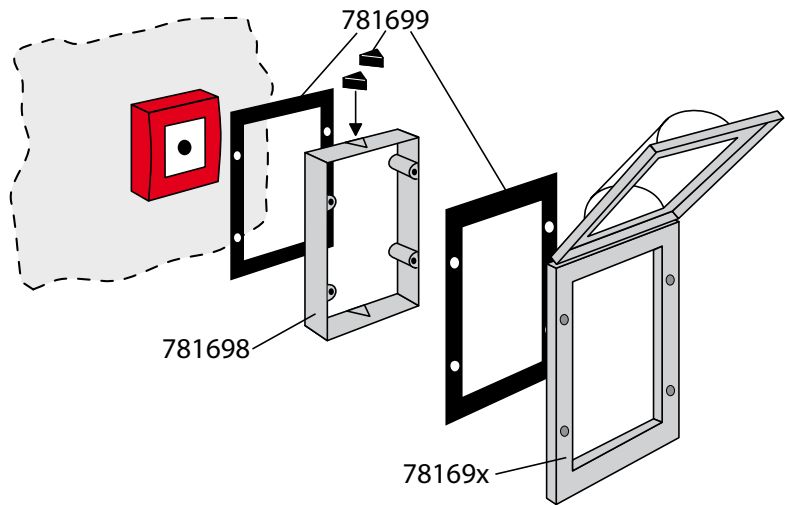
Weight	approx. 510 g
Dimensions	W: 180 mm H: 260 mm D: 50 mm

 Accessory for installation

781699

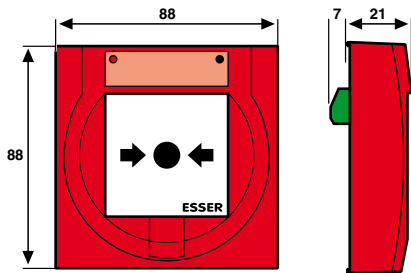
IP55 kit for protective cover

Mounting kit - self-adhesive sealing kit for protective cover (Part No. 781693, 781694) and an increased protection level from IP 44 to IP 55.




Application example

Small Design (ABS)



The new generation of manual call points meets the latest multi-cultural requirements of the EN 54 - 11 standards as type A (single action). The elegant housing is provided with a pictogram, which can be understood by children as well as in an international context.

Depending on individual requirements, the pictogram can be easily replaced by optional labeling field foils without using additional tools for removal. The actuation field is marked by arrows pointing towards it. The innovative manual call points can be tested by using the key to activate the triggering mechanism, which is hidden by a faceplate. Smart housing and terminal design enables easy installation.

 If the glass pane is replaced with the optionally available plastic pane with reset function, the MCP can be reset from the outside using the key.

For the surface mounting of the MCP the surface mount base Part No. 704980 must be ordered separately, if the cable wasn't laid about a standard flush mount wall socket.

Type a definition - single action in accordance with EN 54-11 § 3.4.1 (excerpt taken from EN standard):

Manual fire alarm unit, for which the alarm status is automatically set (additional alarm triggering is not required) after the fragile element has been broken or its position has been changed.

Features

- Slimline design
- Low power consumption
- Plug-in connection terminals (two direction)
- Optional terminal terminals
- Triple key function (test, open, reset)
- Detectors that are not ready for operation can be marked with the "Out of order" label by reversing the enclosed glass pane

Compact MCP Versions - Conventional

804970

Conventional MCP compact, small, red, glass pane





Approval: VdS, CNBOP

Including housing and alarm indicator. For connection to a conventional detection zone.

Technical Data

Operating voltage	8 ... 30 V DC
Quiescent current @ 9 V DC	approx. 0 µA
Alarm current @ 9 V DC	typ. 9 mA
No. of detector/zone	10 detectors per zone (according to VdS)
Alarm display	red LED and yellow actuation indicator
Connection terminal	max. 2.5 mm ² (AWG 26-14)
Application temperature	-20 °C ... 70 °C
Storage temperature	-30 °C ... 75 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP43, IP55 with cover 704965
Housing	PC ASA plastic
Color	red, similar to RAL 3020
Weight	approx. 110 g
Detector specification	EN 54-11, type A
Dimensions	W: 88 mm H: 88 mm D: 21 mm
Declaration of Performance	DoP-20486130701

-  1 x Glass pane 704960
 1 x Key 704966
 1 x Multilingual paper labels with "Out of order" pictogram.

Accessories

704980 Surface mount housing

804960

Conventional MCP compact, small, red, with glass pane, IP 66

Including housing and alarm indicator. For connection to a conventional detection zone.

Technical Data

Operating voltage	8 ... 30 V DC
Quiescent current @ 9 V DC	approx. 0 µA
Alarm current @ 9 V DC	typ. 9 mA
No. of detector/zone	10 detectors per zone (according to VdS)
Alarm display	red LED and yellow actuation indicator
Connection terminal	max. 2.5 mm ² (AWG 26-14)
Application temperature	-20 °C ... 70 °C
Storage temperature	-30 °C ... 75 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP43, IP55 with cover 704965
Housing	PC ASA plastic
Color	red, similar to RAL 3020
Weight	approx. 110 g
Detector specification	EN 54-11, type A
Dimensions	W: 88 mm H: 88 mm D: 21 mm

804971

IQ8MCP compact, small, red, with isolator and glass pane**Approval: VdS, CNBOP**

Suitable for esserbus and powered loop connection, with soft address coding, alarm latch and alarm indicator. Conventional detectors can be connected to input of the MCP. Without BUS communication, the detector operates as conventional MCP. Detector housing is included. Built in isolators maintaining loop integrity.

Technical Data

Operating voltage	8 ... 42 V DC
Quiescent current @ 19 V DC	approx. 45 µA
Alarm current w/o communication curtain	approx. 18 mA
No. of detector/zone	max. 127 detectors per loop (according to VdS)
Operation indicator	LED, green
Alarm display	red LED and yellow actuation indicator
Connection terminal	max. 2.5 mm ² (AWG 26-14)
Application temperature	-20 °C ... 70 °C
Storage temperature	-30 °C ... 75 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP43, IP55 with cover 704965
Housing	PC ASA plastic
Color	red, similar to RAL 3020
Weight	approx. 110 g
Detector specification	EN 54-11, type A
Dimensions	W: 88 mm H: 88 mm D: 21 mm W: 88 mm H: 88 mm D: 57 mm (with surface mount housing)
Declaration of Performance	DoP-20492130701



1 x Glass pane 704960

1 x Key 704966

1 x Multilingual paper labels with "Out of order" pictogram

Accessories

704980 Surface mount housing

804973

IQ8MCP compact, small, red, with resettable element



Approval: VdS

Same as 804971, but with plastic triggering element, which supports easy reset after an alarm has been triggered without having to replace the broken element (glass pane).
Typically applied in nursery, clean rooms as for example in food processing industries.

Technical Data

Operating voltage	8 ... 42 V DC
Quiescent current @ 19 V DC	approx. 45 µA
Alarm current w/o communication curtain	approx. 18 mA
No. of detector/zone	max. 127 MCP per loop
Operation indicator	LED, green
Alarm display	red LED and yellow actuation indicator
Connection terminal	max. 2.5mm ² (AWG 26-14)
Application temperature	-20 °C ... 70 °C
Storage temperature	-30 °C ... 75 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP43 (in housing)
Housing	ASA plastic
Color	red, similar to RAL 3020
Weight	approx. 110 g
Detector specification	EN 54-11, type A
Dimensions	W: 88 mm H: 88 mm D: 21 mm W: 88 mm H: 88 mm D: 57 mm (with surface mount housing)



- 1x Plastic operating panel 704964
- 1x Key 704966
- 1x Multilingual paper insert with "Out of order" pictogram included

Accessories

704980 Surface mount housing

804961

IQ8MCP compact IP 66, small, red, with isolator glass pane



Features

- High IP protection class IP66
- Integrated loop isolator
- Triple key function (test, open, reset)
- Plug-in connection clamps
- Detectors that are not ready for operation can be marked with the "out of order" label by reversing the enclosed glass pane



Approval: G 205132

Suitable for esserbus and powered loop connection, with soft address coding, alarm latch and alarm indicator. Without BUS communication, the detector operates as conventional MCP. Detector housing, surface mount housing and transparent cover are included.

Due to the high IP protection IP66 suitable for use in humid areas. Surface mount housing is provided with knock-out cable entries for M20 cable glands (option) for simplified installation.

Technical Data

Operating voltage	8 ... 42 V DC
Quiescent current @ 19 V DC	approx. 45 µA
Alarm current @ 9 V DC	typ. 18 mA
No. of detector/zone	10 detectors / group; 127 detectors / ring (according to VdS)
Operation indicator	LED, green
Alarm display	LED, red and yellow flag
Connection terminal	max. 1,5 mm ² (AWG 30-14)
Application temperature	-20 °C ... 70 °C
Storage temperature	-30 °C ... 75 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP66
Housing	PC-ASA plastic
Color	red, similar to RAL 3020
Weight	approx. 250 g
Detector specification	EN 54-11, type A
Dimensions	W: 88 mm H: 88 mm D: 57 mm (with surface mount housing)

-  1 x Spare glass 704960
-  1 x Plastic spare key 704966
- 1 x transparent cover
- 1 x Surface mount housing



Example (optional fittings)


Plastic Housings



Housings for electronic modules Part No. 80495x.

Technical Data

Type of protection	IP 43, IP 55 with 704965
Housing	PC ASA plastic housing
Installation	surface mount
Weight	approx. 33 g
Dimensions	W: 88 mm H: 88 mm D: 21 mm

 1 x Key 704966


704950

Housing for small MCP, red, similar to RAL 3020

Pictogram according to EN54-11

Technical Data


Declaration of Performance DoP-20492130701

 The red manual call point housing is available only with the pictogram (as shown) according to EN 54-11.

Please note that according to EN54-11, the label for the MCP must include the symbol of the burning house.


704951

Housing for small MCP, blue, similar to RAL 5015

 Labeling foil set (white) for various international applications.


704952

Housing for small MCP, yellow, similar to RAL 1021

 Labeling foil set (black) for various international applications.


704953

Housing for small MCP, orange, similar to RAL 2011

 Labeling foil set (black) for various international applications.

704954


Housing for small MCP, green, similar to RAL 6002

 Labeling foil set (white) for various international applications.

704955

Housing for small MCP, gray, similar to RAL 7035

Approval: VdS

 Labeling foil set (black) for various international applications.

Surface Mount Housings



The surface mount housing serves as cable entry for surface mount cabling. With integrated support for shielding.

Technical Data

Dimensions

W: 88 mm H: 88 mm D: 36 mm



Mounting material

704980

Surface mount housing for small MCP, red, similar to RAL 3020

Red, for manual call points Part No. 804970, 804971 and 804973, for small design electronic modules Part No. 804950/51, 804955/56 with housing Part No. 704950.

704981

Surface mount housing for small MCP, blue, similar to RAL 5015

Blue, for small design electronic modules Part No. 804950/51, 804955/56 with housing Part No. 704951.

704982

Surface mount housing for small MCP, yellow, similar to RAL 1021

Yellow, for small design electronic modules Part No. 804950/51, 804955/56 with housing Part No. 704952.

704983

Surface mount housing for small MCP, orange, similar to RAL 2011

Orange, for small design electronic modules Part No. 804950/51, 804955/56 with housing Part No. 704953.

704984

Surface mount housing for small MCP, green, similar to RAL 6002

Green, for small design electronic modules Part No. 804950/51, 804955/56 with housing Part No. 704954.

704985

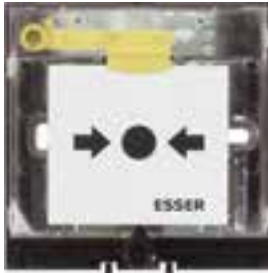
Surface mount housing for small MCP, gray, similar to RAL 7035

Gray, for small design electronic modules Part No. 804950/51, 804955/56 with housing Part No. 704955.

Electronic Modules - Conventional

804950

Conventional MCP electronic module



Approval: VdS

With alarm indicator, for the connection to a standard detector zone.

Technical Data

Operating voltage	8 ... 30 V DC
Quiescent current @ 9 V DC	approx. 0 μ A
Alarm current @ 9 V DC	typ. 9 mA
No. of detector/zone	max. 10 detectors per loop (as per VdS)
Alarm display	LED, red and yellow flag
Connection terminal	max. 2,5 mm ² (AWG 26-14)
Application temperature	-20 °C ... 70 °C
Storage temperature	-30 °C ... 75 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 43 (in Housing), IP 55 with cover 704965
Weight	approx. 78 g
Detector specification	EN 54-11, type A
Dimensions	W: 88 mm H: 88 mm D: 21 mm W: 88 mm H: 88 mm D: 57 mm (with surface mount housing)
Declaration of Performance	DoP-20486130701

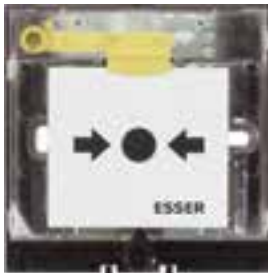


1 x Glass pane 704960

1 x Multilingual paper labels with "Out of order" pictogram

804951

Conventional MCP electronic module, with 2nd micro-switch



Approval: VdS

Same as 804950, but with second microswitch with dry contact NC/C (break) or NO/C (make) that is activated when the alarm is triggered.

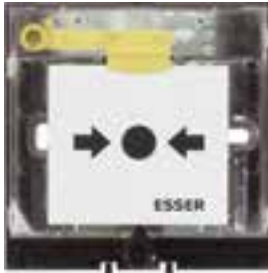
Technical Data

Operating voltage	8 ... 30 V DC
Quiescent current @ 9 V DC	approx. 0 μ A
Alarm current @ 9 V DC	typ. 9 mA
Contact load	30 V DC/1 A
No. of detector/zone	max. 10 detectors per loop (as per VdS)
Alarm display	LED, red and yellow flag
Connection terminal	max. 2,5 mm ² (AWG 26-14)
Application temperature	-20 °C ... 70 °C
Storage temperature	-30 °C ... 75 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 43 (in housing), IP 55 with cover 704965
Weight	approx. 78 g
Declaration of Performance	DoP-20485130701

Electronic Modules - Addressable

804955

IQ8MCP electronic module



Approval: VdS

Same as 804971, but without housing.

Technical Data

Operating voltage	8 ... 42 V DC
Quiescent current @ 19 V DC	approx. 45 µA
Alarm current w/o communication curtain	approx. 18 mA
No. of detector/zone	max. 127 detectors per loop (as per VdS)
Operation indicator	LED, green
Alarm display	red LED and yellow actuation indicator
Connection terminal	max. 2.5 mm ² (AWG 26-14)
Application temperature	-20 °C ... 70 °C
Storage temperature	-30 °C ... 75 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP43 (in housing), IP 55 with cover 704965
Weight	approx. 78 g
Detector specification	EN 54-11, type A
Dimensions	W: 88 mm H: 88 mm D: 21 mm
Declaration of Performance	DoP-20492130701

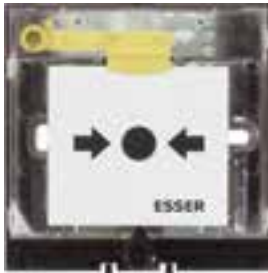


1 x Glass pane 704960

1 x Multilingual paper labels with "Out of order" pictogram

804956

IQ8MCP electronic module w/o isolator, with relay



Approval: VdS

Same as 804955, but with relay and without loop isolator or connection possibility for standard manual call points. The relay output is activated by the triggering of this detector. The relay output can be programmed in the IQ8Control and System 8000 FACP customer data as a control group.

Technical Data

Operating voltage	8 ... 42 V DC
Quiescent current @ 19 V DC	approx. 45 µA
Alarm current w/o communication curtain	approx. 18 mA
Contact load	30 V DC / 1 A
No. of detector/zone	max. 127 detectors per loop (as per VdS)
Operation indicator	LED, green
Alarm display	LED, red and yellow flag
Connection terminal	max. 2.5 mm ² (AWG 26-14)
Application temperature	-20 °C ... 70 °C
Storage temperature	-30 °C ... 75 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP43 (in housing), IP 55 with cover 704965
Weight	approx. 78 g

704960




Spare glass pane for small MCP, EN54

Spare glass pane with white stick-on foil and printed pictogram in compliance with EN 54-11 (type A). Suitable for small MCPs.

Technical Data

Dimensions W: 56 mm H: 49.5 mm D: 1.85 mm

 To indicate that the detector is "Out-of-order" the operator has a corresponding pictogram on the reverse side.

 10 pcs

704975




Spare glass pane for small MCP, EN54, neutral

Spare glass pane with white stick-on foil and printed with pictogram according to EN 54-11 (type A), for small manual call points, without logo.

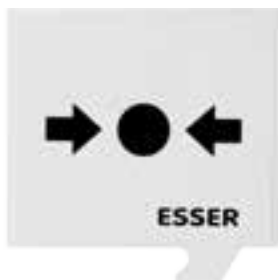
Technical Data

Dimensions W: 56 mm H: 49.5 mm D: 1.85 mm

 To indicate that the detector is "Out-of-order" the operator has a corresponding pictogram on the reverse side.

 10 pcs

704964




Resettable element for small MCP

Resettable, white plastic, for small manual call points. Typically applied, for instance, in food processing industries or in clean rooms.

Technical Data

Material ABS
Dimensions W: 56 mm H: 49.5 mm D: 1.85 mm
Declaration of Performance DoP-20492130701

 To indicate that the detector is "Out-of-order" the operator has the same pictogram as shown above on the reverse side.

 10 pcs



Application example

704961



similar image

Front foil with universal text for small MCP, white lettering

Universal, punched foil set (transparent with white imprint) for the labeling field, different from the standard pictogram.

 Transparent foil with white lettering!

 10 pcs

704965


Protective kit for MCP and TAL, transparent

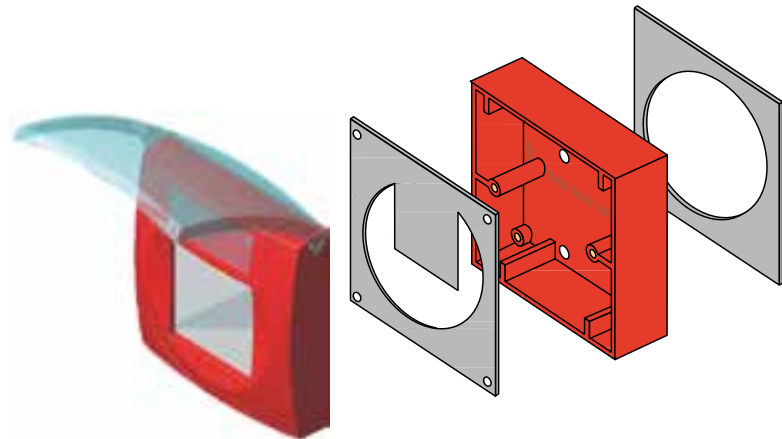


Transparent, suitable for small MCPs. The cover serves as a protection to prevent inadvertent activation and to protect from high humidity.

Technical Data

Type of protection	IP55
Material	plastic cover, transparent

 Cover and two neoprene seals



Application example: Manual call point with mounted cover

704966

Plastic spare key for small MCP



Plastic key, red, suitable for small manual alarm units.

 10 pcs

704967


Mounting frame for small MCP, red and white

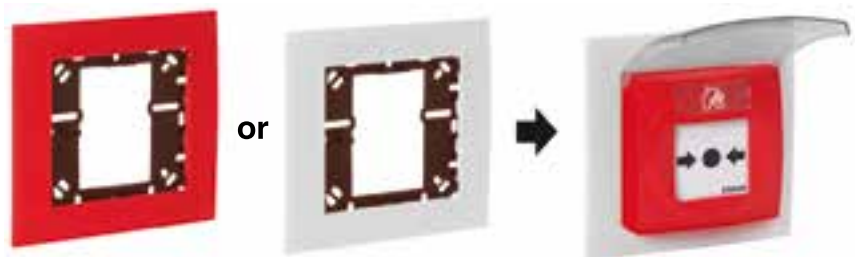


The mounting frame is useful for mounting MCPs on different international flush mount boxes.

Technical Data

Color	red, similar to RAL 3020 white, similar to RAL 9010
Dimensions	W: 132 mm H: 132 mm D: 8 mm

 2 x Fastening screws are included (red and white)



Application example: Mounting frame with small MCP

Special Design

761630



MCP for long distances

Manual activation point designed according to EN54-11 type B (double action) for manually triggering of hazard alarms. The device offers low-frequency data transmission over long distances of up to 20 km for monitoring passive third-party detectors and activation via terminal card Part No. 772180.

Technical Data

Operating voltage	24 V DC
Contact load	microswitch: max. 30 V DC / 1A
No. of detector/zone	10 detectors per zone (according to VdS)
Alarm display	LED red
Connection terminal	0.6 mm ... 1.5 mm ²
Application temperature	-30 °C ... 70 °C
Storage temperature	-35 °C ... 75 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 43, IP 54 with kit 704070
Housing	aluminum die-cast
Color	red, similar to RAL 3000
Weight	approx. 700 g
Dimensions	W: 126 mm H: 126 mm D: 42 mm



To operate the LF MCP 761630, terminal card Part No. 772180 is required.

This LF MCP must not be operated as a fire alarm detector for fire alarm systems in accordance with the standard EN54-11. It is suitable only for operation in hazard alarm systems as release device!

To indicate that the detector is "Out-of-order" the operator has to insert the paper inlay, which has a corresponding pictogram and wording.



1 x Glass pane 704910
 1 x Plastic key 769910
 1 x Fixing material
 1 x "Out of order" sign
 2 x Cable entries
 2 x Dummy plugs

Phase out date: 31.12.2014

Accessories

704910 Spare glass pane, no imprint

772180



Terminal card for MCP long distances 761630

Terminal card for LF MCP 761630, with indicators for alarm (red), wire break (yellow) and short circuit (yellow). Suitable for mounting on standard mounting rails.

Technical Data

Operating voltage	24 V DC
Quiescent current	approx. 5 mA
Alarm current	20 mA
Alarm display	LED red
Fault display	LED yellow
Connection terminal	0.6 mm ... 1.5 mm ²
Application temperature	0 °C ... 50 °C
Storage temperature	-5 °C ... 55 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 30
Housing	ABS plastic
Color	gray
Weight	approx. 300 g
Dimensions	W: 20 mm H: 85 mm D: 55 mm

Phase out date: 31.12.2014

761694

Addressable MCP, IP66



Approval: G 209190

Addressable manual call point in conformity with EN 54-11 type B with loop isolator for manually triggering fire alarms or hazard alarms. For outdoor application or application in damp environments.

Technical Data

Operating voltage	8 ... 42 V DC
Quiescent current @ 19 V DC	approx. 45 µA
No. of detector/zone	max. 10 (according to VdS), 127 / loop
Alarm display	LED, red
Connection terminal	max. 1.5 mm ²
Application temperature	-20 °C ... 70 °C
Storage temperature	-25 °C ... 75 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP66
Housing	PC-plastic
Color	red, similar to RAL 3000
Weight	approx. 475 g
Dimensions	W: 135 mm H: 135 mm D: 61 mm
Declaration of Performance	DoP-20882130701



Please take note, our Part No. 769910 and 769911 can be used as spare keys.

To indicate that the detector is "Out-of-order" the operator has to insert the paper inlay, which has a corresponding pictogram and wording.



1 x Glass 704910
1 x Key and "Out of order" sign or "Außer Betrieb"

Accessories

- 704910 Spare glass for MCP
- 769910 Plastic key for large MCP
- 769911 Metal key for large MCP

Manual Call Points Intrinsically Safe

761697

Explosion-proof conventional MCP, IP66



Approval: VdS, PTB 97 ATEX 3197

Explosion-proof encapsulated conventional manual call point for hazardous areas in conformity with EN 54-11 Type B for the manual actuation of a fire alarm and/or a hazard alarm, as a detector for usage in explosion-hazardous areas both inside and outside.

The operating front foil has been designed as a double-sided insert. Complementary to the symbolism conforming to the standards for manual call points in compliance with EN 54-11 (Type B), it has a symbol and multilingual text on the back for the "Out of order" status of the detector and is always available for possible maintenance work.

The labeling foil of the manual call point also has a double-sided design. In compliance with EN 54-11, it contains the standard symbol of a burning house. On the back, the symbol is supplemented with the word "FIRE" (multilingual).

Technical Data

Data according to ATEX:

Ex-category II 2G
Explosion protection Ex e d mb IIC T6, T5

Common technical data:

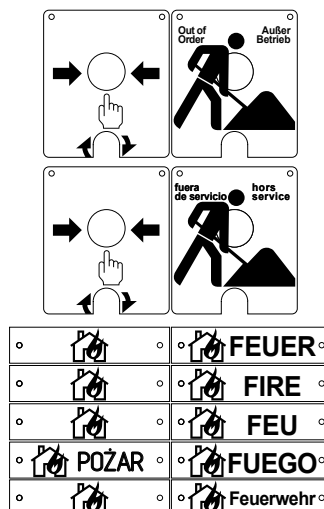
Operating voltage 12 ... 24 V DC
Alarm current approx. 9 mA
No. of detector/zone max. 10 detectors per Zone (according to VdS)
Circuit 1 k/10 k (internal)
Connection terminal 0.6 mm ... 4 mm²
Application temperature -55 °C ... 65 °C
-55 °C ... 85 °C (T5)
Storage temperature -55 °C ... 85 °C
Air humidity < 95 % (non-condensing)
Type of protection IP66
Housing Glass fiber reinforced polyester resin
Color red, similar to RAL 3000
Weight approx. 1.8 kg
Detector specification DIN 14678 Form K
Dimensions W: 136 mm H: 138 mm D: 88 mm

Please note, an Allen key (size 4) is needed for opening and resetting the MCP, and is not included in the scope of delivery.

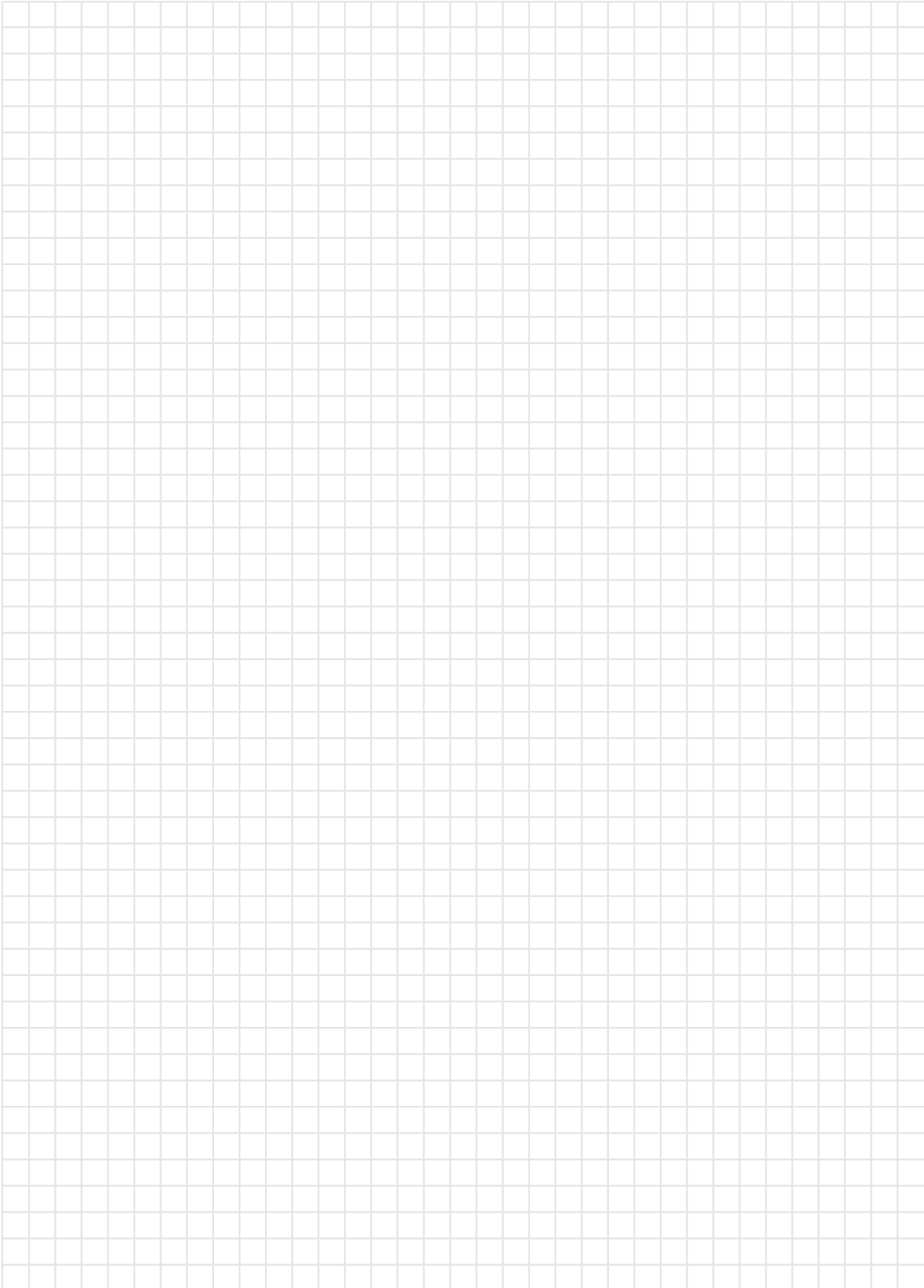
- 1 x Glass pane 704910
- 1 x Kit of double-sided operating front foil (with "Out of order" on the back)
- 1 x Kit of double-sided labeling foil (multilingual)

Accessories

704910 Spare glass pane for MCP housings



Operating front foils and labeling foils





Transponders / Input & Output Modules

esserbus

178-191

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Professional fire detection systems are expected to provide more than reliable fire detection and signaling alarms to the fire brigade. Over time, the continuous progress in technical units has led to many improvements in monitoring and control systems. At the same time the specifications of the European standards are becoming more and more demanding. These complex requirements towards control and monitoring of individual parts of a unit was reason enough to redesign our assortment of esserbus transponders.

Essentially the new assortment consists of the so-called "alarm transponder" which is used for both the connection of non-addressable detectors (point-type detectors, manual detectors and special detectors) as well as for the operation of conventional alarm signaling devices (signaling devices, signal flasher and combination alarm signaling devices). Monitoring of the lines in accordance with the latest standards is ensured via "EOL modules" (end-of-line modules).

The second part is formed by the "FCT" (fire control transponder) and the IQ8TAL being loop-powered input and output transponders with a contact input and a floating relay output for monitoring of contacts and transmission of technical alarms for equipment monitoring.

These modules with low power consumption are for interfacing to other disciplines which are not a part of the fire detection system itself. Thanks to their intelligent concept they significantly expand the range of monitoring and control functions as part of the building management.

Take note, esserbus transponders need ONLY ONE loop address per device, anyway how much inputs or outputs are switched - i.e. in case that more than one input/output per device is needed, this feature reduces the quantity of transponders needed!

808623

esserbus alarm transponder, 4 IN/2 OUT with isolator



Features

- Only one loop address is needed per transponder
- Digital inputs
- Integrated loop isolator
- Conventional connection of standard fire detectors and signaling devices
- Loop monitoring in compliance with EN 54-13
- Integrated loop isolator
- Programmable relay outputs
- Programmable relay reset function
- Max. 100 transponders per FACP
- Max. 31 transponders per loop
- Max. 127 detector zones per loop
- Detector numbers per zone input of the transponder:
- Max. 30 conventional detectors (without SOC)
- Max. 10 conventional detectors (with SOC)
- Max. 10 Manual call points (MCP)
- Max. 10 Technical Alarm Modules (TAM)
- Max. 5 audible alarm devices per each output (observe calculation table in tools 8000)

Approval: VdS

The esserbus transponder functions as a device on the multi-functional primary line. The connection of four zones with automatic standard detectors, manual call points (non-addressable) as well as special detectors is possible. In addition, two programmable relay outputs are also available. Both relay outputs of the transponder may be used to reset a connected third-party detector. The reset function relates to the corresponding special detector, e.g. by switching the appropriate input to GND or by a short interruption of the detectors supply voltage. Therefore the control mode >Reset-Relay< as well as the desired relay operation mode (normally closed or open) must be configured with the programming software tools 8000 from V1.15 and above. The relay output will be activated for the selected reset time (1 to 14 seconds) if the assigned input (G1 for relay 1/G2 for relay 2) of the transponder is reset. Refer to the detectors manual for the required reset time.

Monitoring via the EOL terminating devices (Part No. 808624/808626) is required for the connection of fire detectors and for the controlling of alarm signaling devices. The enclosed resistors can be used to connect the floating contacts.

The esserbus alarm transponder requires an external voltage supply. An optional Voltage Converter (Part No. 781336) is also required for 12V DC operation. The esserbus alarm transponder external voltage supply can be monitored during operation.

The EOL-I terminating device (Part No. 808626) must be used for standard-compliant monitoring of detector zone inputs. The EOL-O (Part No. 808624) must be used for standard-compliant monitoring of connected alarm signaling devices.

Technical Data

Operating voltage	10 ... 28 V DC
Quiescent current @ 12 V DC	approx. 12 mA
Current consumption	max. 120 mA @ 12 V DC
Contact load relay	30 V DC / 1 A
Ambient temperature	-10 °C ... 50 °C
Storage temperature	-25 °C ... 75 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 40 (in housing)
Weight	approx. 28 g
Dimensions	W: 82 mm H: 72 mm D: 20 mm
Declaration of Performance	DoP-21057130701



Installation accessory pack

Accessories

788603.10	Module housing for snap-on mounting rail
788600	Housing surface mount, gray
788650.10	Housing surface mount, white
788601	Housing flush mount, gray
788651.10	Housing flush mount, white
788612	Loop isolator for transponder
781336	DC/DC converter output voltage
808624	EOL-O Terminating device
808626	EOL-I Terminating device

808623.10

esserbus transponder for UniVario with isolator



Approval: VdS

The interface connects max. 2 industrial sensors from the UniVario product range. These sensors are supplied with energy via the 9 V DC group voltage input. For meeting the standard requirements of monitoring, an EOL-UV terminal element is connected to the sensor base of the UniVario sensor. The interface requires external voltage supply. Additionally, two optionally monitored relay outputs are available.

Features

- Only one loop address is needed per transponder
- Digital input
- Loop monitoring in compliance with EN 54-13
- Integrated loop isolator
- Programmable relay outputs
- Programmable relay reset function
- Max. 100 transponders per fire alarm control panel
- Max. 31 transponders per loop
- Max. 127 detector zones per loop
- Detector numbers per zone input of the transponder:
 - Max. 30 conventional detectors (without SOC)
 - Max. 10 conventional detectors (with SOC)
 - Max. 10 Manual call points
 - Max. 10 Technical Alarm Modules (TAM)
 - Max. 5 audible alarm device (observe calculation table in tools 8000)

Technical Data

Operating voltage	10 ... 28 V DC
Quiescent current @ 12 V DC	approx. 12 mA
Current consumption	max. 120 mA @ 12 V DC
Contact load relay	30 V DC / 1 A
Ambient temperature	-10 °C ... 50 °C
Storage temperature	-25 °C ... 75 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 40 (in housing)
Weight	approx. 28 g
Dimensions	W: 82 mm H: 72 mm D: 20 mm
Declaration of Performance	DoP-21057130701



Installation Accessory Pack

Accessories

788603.10	Module housing for snap-on mounting rail
788600	Housing surface mount, gray
788650.10	Housing surface mount, white
788601	Housing flush mount, gray
788651.10	Housing flush mount, white
788612	Loop isolator for transponder
781336	DC/DC converter output voltage
808626	EOL-I Terminating Device

808624

EOL-O terminating device



The EOL-O terminating device is mounted on the last control input device in the detector zone and is used to monitor alarm signaling devices.

Features

- Used for monitoring of control outputs with conventional alarm signaling devices being connected
- Additionally recognizes creeping interruptions and short-circuits
- Loop monitoring in compliance with EN 54-13

808626

EOL-I terminating device



The EOL-I terminating device is mounted on the last device in the detector zone and is used to monitor detector zone inputs.

Features

- Used for monitoring of detector zone inputs with standard fire detectors being connected
- Additionally recognizes creeping interruptions and short-circuits
- Loop monitoring in compliance with EN 54-13

808626.10

EOL-UV terminating for 808623.10



The EOL-UV terminating device is mounted on the last device in the detector zone and is used to monitor detector zone inputs.

Features

- Used for monitoring of detector zone inputs with standard fire detectors being connected
- Additionally recognizes creeping interruptions and short-circuits
- Loop monitoring in compliance with EN 54-13

808600.230

esserbus transponder FCT set 230 V



Approval: VdS

The FCT (Fire Control Transponder) is used for the monitoring and operation of fire control systems such as ventilation, pressure monitor pumps, extinguishing agent sprinklers, fire dampers, smoke control flaps, elevators and many more. Time-dependent machine shutdowns can be carried out via two freely programmable relays. Monitored activation with fault message displayed at the FACP if the time interval expires and no feedback of the correct activation is present. Pulsed (multiple) activation to ensure a correct triggering. The pluggable modules (up to two modules can be connected) are each equipped with a contact input for operational feedback.

Features

- Universal use for activation functions
- 230 V AC operation with optional function monitoring
- Comprehensive fail-safe function during failure of the loop or mains voltage
- Two freely programmable relays
- Monitoring contacts for monitoring of external devices
- Time-dependent control of relay outputs, activation and monitored feedback within a programmable time from 0 to 600 seconds
- Optional: relay outputs with programmable on/off impulse lengths
- Reduction of amount of data via selectable software function
- Integrated loop isolator on the electronic modules
- Optional IP protection base for usage in difficult ambient conditions

The comprehensive "fail-safe" function ensures that the transponder maintains full functionality and remains a self-sufficient activation device even if the FACP or field bus fails.


Using the 230 V version the mains voltage can be switched directly and be simultaneously used to power the transponder. It is also possible to indirectly monitor the function of the mains voltage using internal logic.

The esserbus transponder FCT 12-24 V or 230 V is used as a loop device for the IQ8Control or FlexES control FACP. The tools 8000 programming software (as of version V1.15.1) is necessary for the start-up.

Technical Data

Rated voltage	230 V AC
Rated frequency	50 ... 60 Hz
Rated current	0.01 A
Contact load relay	30 V DC/ 4 A, 230 V AC / 4 A
Connection terminal	max. 2,5 mm ²
Ambient temperature	-5 °C ... 45 °C
Storage temperature	-10 °C ... 50 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 30 (in housing) IP 55 (with IP-base composition 788655)
Dimensions	W: 235 mm H: 61.5 mm D: 140 mm
Declaration of Performance	DoP-20991130701

 The FCT cannot be operated in the following systems:
FACP 80, System 3000 (FACP 3007/3008), FACP 8008, FACP 8000 C/M, ECP 8010

 1 x FCT control module
1 x FCT electronic module
1 x Surface mounted housing

808600.24

esserbus transponder FCT set, 12 - 24 V



Approval: VdS

Same as 808600.230, but 24 V operating voltage.

Technical Data

Operating voltage	10 ... 30 V DC
Current consumption @ 12 V DC	approx. 200 mA
Current consumption @ 24 V DC	approx. 0 mA
Contact load relay	30 V DC/4 A, 230 V AC/4 A
Connection terminal	max. 2,5 mm ²
Ambient temperature	-5 °C ... 45 °C
Storage temperature	-10 °C ... 50 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 30 (in housing) IP 55 (with IP-base composition 788655)
Declaration of Performance	DoP-20991130701

 The FCT cannot be operated in the following systems:
FACP 80, System 3000 (FACP 3007/3008), FACP 8008, FACP 8000 C/M, ECP 8010

804981


IQ8FCT electronic module with isolator for FCT



Pluggable electronic module for FCT expansion with another monitoring contact input.

Technical Data

Quiescent current @ 19 V DC	approx. 45 µA
Alarm current	approx. 9 mA
No. of detector/zone	max. 127 per loop
Operation indicator	green LED
Alarm display	red LED
Connection terminal	max. 2,5 mm ² (AWG 26-14)
Declaration of Performance	DoP-20991130701

 Pluggable electronic module for expansion by a contact input

Features

- Tool-free installation on the FCT through simple connection of the module
- Contact input for monitoring fire event controls
- Addressable for individual localization of the fire event control
- Integrated line isolator

804980

IQ8TAL electronic module with isolator for FCT

NEW

Same as 804981 but, with TAL (Technical Alarm) functionality (1 input/1 output).



Technical Data

Quiescent current @ 19 V DC	approx. 45 µA
Alarm current	approx. 9 mA
No. of detector/zone	max. 127 per loop
Operation indicator	green LED
Alarm display	red LED
Connection terminal	max. 2,5 mm ² (AWG 26-14)
Declaration of Performance	DoP-20991130701

Features

- Tool-free assembly on the FCT by simply attaching the module
- Contact input to trigger a switching function
- Individually programmable make or break contacts
- Integrated loop isolator

788655

IP55 base adapter for FCT



IP FCT base adapter for extreme environmental conditions.

Technical Data

Type of protection	IP55
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808610.10

esserbus transponder 12 relays (8 bit)



Approval: VdS, CNBOP, BOSEC


Features

- Only one loop address is needed per transponder
- Max. 100 transponders per FACP
- Max. 32 transponders per loop
- Max. 32 transponders per detector zone

The esserbus transponder works as a loop device on the multi-functional primary line. With the 12 relays module, it is possible to expand the number of exits per control unit. Depending on the control unit, it can be integrated or used with fire detectors in mixed operation. The esserbus transponder can be optionally extended by adding the additional isolator board Part No. 788612. esserbus transponder voltage supply: via the multi-functional primary line. The esserbus transponder can be wired with an external switching voltage of 12V DC or 24V DC for the K1 to K12 relays. The external voltage supply of the transponder can be programmed to be monitored in the customer data in the operating mode. In the "floating" operating mode, no external switching voltage of the relays is necessary. 11 relays are freely programmable. The maximum line length from the transponder to the external device is up to 1000 m.

Technical Data

Operating voltage	10 ... 28 V DC
Quiescent current @ 19 V DC	approx. 250 µA
Current consumption @ 12 V DC	approx. 3 mA
Contact load relay	30 V DC / 1 A (max. 3 A each transponder)
Ambient temperature	-10 °C ... 50 °C
Storage temperature	-25 °C ... 75 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 40 (with housing)
Weight	approx. 110 g
Dimensions	W: 150 mm H: 82 mm D: 20 mm
Declaration of Performance	DoP-20611130701

 External power supply is only optional – the transponder is fully operational with loop powering only.

Accessories

788612	Loop isolator PCB
788600	Surface mounting housing gray, similar to RAL 7035
788650.10	Surface mounting housing white, similar to RAL 9003
788601	Flush mounting housing gray, similar to RAL 7035
788651.10	Flush mounting housing white, similar to RAL 9003

808611.10

esserbus transponder 32 LED



Features

- Only one loop address is needed per transponder
- Max. 100 transponders per FACP
- Max. 32 transponders per loop
- Max. 32 transponders per detector zone

Approval: VdS, CNBOP, BOSEC

The esserbus transponder works as a loop device on the multi-functional primary line. 32 opto-coupler outputs for direct LED control (e.g. indicator) are found on this esserbus transponder module. There is one terminal screw per output on the switching mechanism. The module can be extended by adding the additional isolator board Part No. 788612. esserbus transponder voltage supply: via the multi-functional primary line. The esserbus transponder requires an external power supply.

The external voltage supply of the transponder can be programmed to be monitored in operating mode. The maximum line length from the transponder to the external device is up to 100 m.

Technical Data

Operating voltage	10 ... 15 V DC
Quiescent current @ 12 V DC	approx. 3 mA
Ambient temperature	-10 °C ... 50 °C
Storage temperature	-25 °C ... 75 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 40 (with housing)
Weight	approx. 95 g
Dimensions	W: 150 mm H: 82 mm D: 20 mm
Declaration of Performance	DoP-20611130701

Accessories

788612	Loop isolator PCB
788600	Surface mounting housing gray, similar to RAL 7035
788650.10	Surface mounting housing white, similar to RAL 9003
788601	Flush mounting housing gray, similar to RAL 7035
788651.10	Flush mounting housing white, similar to RAL 9003

808613.30

esserbus transponder SIE for 3rd party extinguishing panels



Features

- Only one loop address is needed per transponder
- Max. 100 transponders per FACP
- Max. 31 transponders per loop
- Max. 32 transponders per detector zone


Approval: VdS

The esserbus transponder SIE is designed for operation as Standard Interface Extinguishing (SIE) for the analog loop (esserbus / esserbus-PLus) of the Fire Alarm System 8000 and IQ8Control.

An external power supply of 12 V DC or 24 V DC can be connected to the esserbus transponder. The voltage converter (Part No. 781336) is required for 12 V DC operation. The transponder's external voltage supply can be programmed with supervision.

Technical Data

Operating voltage	10 ... 28 V DC
Quiescent current @ 12 V DC	approx. 10 mA
Current consumption	max. 120 mA
Contact load relay	30 V DC/1 A
Ambient temperature	-10 °C ... 50 °C
Storage temperature	-25 °C ... 75 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 40 (with housing)
Weight	approx. 28 g
Dimensions	W: 82 mm H: 72 mm D: 20 mm
Declaration of Performance	DoP-20614130701

 1 x Additional equipment pack with 3.3 k and 680 R terminating resistor for SST

Accessories

788603.10	Module housing for C-mounting bar or top hat rail mounting
788600	Housing surface mount, gray
788650.10	Housing surface mount, white
788601	Housing flush mount, gray
788651.10	Housing flush mount, white
788612	Loop isolator PCB
781336	DC/DC converter output voltage

808615


esserbus communication transponder for ECP 8010



With this esserbus transponder the extinguishing relay output 8010 can be integrated on the bus of panel 8000, IQ8Control and FlexES, thus enabling several extinguishing zones to be networked with each other. On each bus, a maximum of eight 8010 extinguishing relay outputs can be operated and a maximum of 16 communication transponders for each FACP8000 C/M, IQ8Control and FlexES. All indicators and controls can be activated from the fire alarm panel. The communication transponder occupies one address on the esserbus. With integrated loop isolator on board. Maximum 8 transponders per loop and max. 16 transponders per FACP.

Technical Data

Current consumption	max. 28 mA
Ambient temperature	-10 °C ... 50 °C
Storage temperature	-25 °C ... 75 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 40 (with housing)
Weight	approx. 28 g
Dimensions	W: 72 mm H: 65 mm D: 20 mm

 Mounting: in the housing of the 8010 extinguishing relay output

 Including loop isolator PCB (Part No. 788612)

808619.10

esserbus FSA transponder for fire doors



Approval: VdS

The transponder is suitable for usage for various applications: in stand-alone operation or on the esserbus. In esserbus operation, the Series 9200 automatic fire detectors and those of the IQ8Quad family (see features for types) can be used as detectors in door arrester systems (FSA - Fire, Failure and Shut-Off). In FSA transponder loop operation, the door arrester system status is indicated on the fire alarm control panel.

For stand-alone operation, detectors of the IQ8Quad family are supported without loop isolator (see features for types).


For operation, the transponder requires an external supply voltage. It is possible to monitor this voltage.

Features

- Only one loop address is needed per transponder
- Usage of series 9200 intelligent detectors (such as OT, OTI, O²T detectors) as FSA detectors is possible
- Connection of IQ8Quad O detectors (Part No. 802371), TD Detectors (Part No. 802271), OT detectors (Part No. 802373) and O²T detectors (Part No. 802374) (DIBt-approved) as FSA detectors is possible
- FSA detectors programmable as devices in the loop
- Status indicator of door arrester system to the FACP
- Actuation of the locking device also via the automatic fire detectors in non-FSA operation
- Stand-alone operation of the FSA transponders is possible
- Usage of IQ8Quad O detectors (Part No. 803371), TD detectors (Part No. 803271) and O²T detectors (Part No. 803374) in stand-alone operation of the FSA transponders to the standard detector group is possible
- Max. 100 transponders per FACP
- Max. 32 transponders per analog loop
- Max. 127 detector zones per analog loop
- Detector numbers per zone input of the transponder:
 - Max. 30 conventional detectors (without SOC)
 - Max. 10 conventional detectors (with SOC)
 - Max. 10 Manual call points
 - Max. 10 Technical Alarm Modules (TAM/TAL)

Technical Data

Operating voltage	10 ... 28 V DC
Quiescent current @ 12 V DC	approx. 6 mA (from UB ext)
Current consumption	max. 28 mA (from UB ext)
Contact load relay	max. 30 V DC/1 A or 48 V DC/0,5 A
Ambient temperature	-5 °C ... 50 °C
Storage temperature	-25 °C ... 75 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 40 (with housing)
Weight	approx. 70 g
Dimensions	W: 72 mm H: 65 mm D: 20 mm (PC Board)
Declaration of Performance	DoP-20614130701

 Corresponding connection examples for FSA transponder operation in stand-alone operation or as a device in the fire detection System 8000 can be found in the chapter containing automatic door release systems.

Accessories

788612	Loop isolator PCB
788603.10	Module housing for C-mounting bar or top hat rail mounting
788600	Housing surface mount, gray
788650.10	Housing surface mount, white
788601	Housing flush mount, gray
788651.10	Housing flush mount, white
808625	EOL-Z

808630.10

esserbus transponder RZT, 24 V



Approval: VdS

The refurbishment zone transponder is a stand-alone participant on the esserbus for the fire alarm system 8000 and IQ8Control FACP. Individual automatic fire detectors and manual call points (conventional technology) from other manufacturers can be connected to the 4 zone inputs. The voltage of all 4 zones can be configured to 24 V via the internal DC/DC module. An additional reset module is not required to operate third-party detectors. The two relay outputs are available for general control purposes.

Features

- For connection of 3rd party detectors
- Only one loop address is needed per transponder
- Max. 100 transponders per FACP
- Max. 31 transponders per loop
- Max. 32 transponders per detector zone

Programmable with the programming software tools 8000 Version V2.40 or higher.

Technical Data

Operating voltage	10.5 ... 15 V DC
Current consumption	max. 1.250 mA
Contact load relay	max. 30 V DC/1 A or 48 V DC/0,5 A
Ambient temperature	-10 °C ... 50 °C
Storage temperature	-25 °C ... 75 °C
Air humidity	< 95 % (non-condensing)
Weight	approx. 150 g
Dimensions	W: 150 mm H: 82 mm D: 20 mm
Declaration of Performance	DoP-20615130701



Whether or not a connection is possible must be individually checked in advance by the technical sales department.

Accessories

788612	Loop isolator PCB
788600	Housing surface mount, gray
788601	Housing flush mount, gray
788650.10	Housing surface mount, white
788651.10	Housing flush mount, white
788605	Mounting kit

808631.10

esserbus transponder RZT, 12 V



Same as 808630.10, but rated voltage is 12 V DC, not configurable.

Technical Data

Operating voltage	10.5 ... 13.8 V DC
Current consumption	max. 1.250 mA
Contact load relay	max. 30 V DC/1 A or 48 V DC/0,5 A
Ambient temperature	-10 °C ... 50 °C
Storage temperature	-25 °C ... 75 °C
Air humidity	< 95 % (non-condensing)
Weight	approx. 150 g
Dimensions	W: 150 mm H: 82 mm D: 20 mm
Declaration of Performance	DoP-20615130701

Accessories

788612	Loop isolator PCB
788600	Housing surface mount, gray
788601	Housing flush mount, gray
788650.10	Housing surface mount, white
788651.10	Housing flush mount, white
788605	Mounting kit

Accessories for esserbus Transponders

788612

Loop isolator for transponder



Loop isolator PCB to be mounted on esserbus transponders. To isolate short circuit failure and wire break on the loop.

Technical Data

Ambient temperature	-20 °C ... 50 °C
Storage temperature	-20 °C ... 75 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 50 (with housing)
Weight	approx. 10 g
Dimensions	W: 32 mm H: 20 mm D: 10 mm
Declaration of Performance	DoP-20611130701

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Technical Alarm Modules

804869

IQ8TAM for snap-on mounting with isolator, 1 IN



Approval: VdS

The technical alarm module IQ8TAM is a bus device of the fire alarm system 8000 for recognition, transmission and individual display of technical alarms.

Each IQ8TAM includes one contact input and an integrated loop isolator, which opens in case of loop short circuit to isolate the part of the loop between two loop isolators. A single wire break does not affect the loop and all devices remain in operation. The module does not require external voltage supply, as voltage is supplied by the field bus.

A remote LED indicator (e.g. Part No. 781804, 781814 and 801824) can be connected to the LED-/LED+ terminal. The max. cable length to the connected remote indicator is up to 100 m!

An external, monitored contact can be connected to the S-/S+ terminal. In case of an activation of this contact, the address and programmed additional text of the corresponding technical alarm module IQ8TAM will be displayed. To monitor this contact an optional monitoring module (Part No. 804870) is required. The max. cable length to the connected module is up to 250 meters.

The IQ8TAM activation is latching. To reset the IQ8TAM either the FACP or the corresponding zone is reset.

Technical Data

Alarm display	LED, red
Connection terminal	max. 1,5 mm ²
Ambient temperature	-20 °C ... 70 °C
Storage temperature	-30 °C ... 75 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 30
Housing	PA 66 - plastic
Color	gray, similar to RAL 7035
Weight	approx. 87 g
Dimensions	W: 25 mm H: 112 mm D: 99 mm
Declaration of Performance	DoP-20618130701



The module can either be mounted in an appropriate installation position in the housing of the fire alarm panel or, for example, on a C-rail of a switch cabinet. Each module can be individually connected or cascaded directly snap-on or on the side connector block.



incl. 4 screw clamps and 1 resistor




804870

Alarm and monitoring module for IQ8TAM

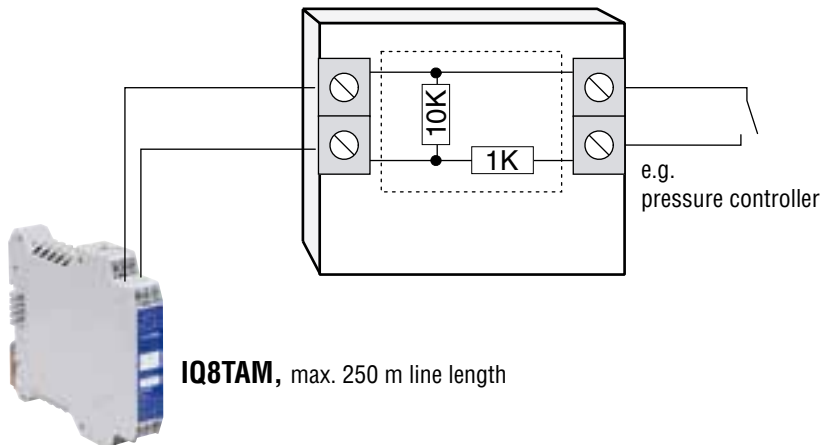


An external, monitored contact can be connected to the terminals of the IQ8TAM technical alarm module for C-rail mounting with Part No. 804869. In case of contact activation, the address and the programmed additional text of the corresponding IQ8TAM technical alarm module will be displayed.

For contact monitoring, the alarm and monitoring module for IQ8TAM (Part No. 804870) is required.

 The max. cable length to the connected module must not exceed 250 meters!

Extinguishing system module Part No. 804870



Inside wiring diagram for alarm and monitoring module

804868

IQ8TAL with isolator, 1 contact IN/1 OUT



Features

- One contact input and one floating relay output
- Voltage supply via the field bus
- Test and reset function
- Higher IP55 protection with Part No. 704965
- Programmable inverse monitoring functionality of the contact input (1k resistance latent/10k resistance fire)
- Powered by the FACP
- Total cable length of the external contact up to 500 m
- Integrated loop isolator
- Max. 127 transponder TAL electronic modules per analog loop

Approval: VdS

The technical alarm device IQ8TAL is a fully-fledged loop device of the IQ8Control fire detection system and facilitates the detection and forwarding of technical alarms.


The IQ8TAL is equipped with an integrated loop isolator, a contact input and a relay output. An external NO or NC may be connected to a single IQ8TAL. When an alarm is triggered the address and the programmed additional text of the IQ8TAL to which the contact is connected are displayed automatically. The integrated relay can be optionally configured as a normally-closed contact or as a normally-open contact. The IQ8TAL does not need a separate voltage supply.


In order to increase the IP protection class, the optional IP 55 protection kit (Part No. 704965) can be used.

The functionality of the IQ8TAL can be tested with the included key and the alarm status can be reset directly at the device.

Technical Data

Quiescent current @ 19 V DC	approx. 45 µA
Contact load relay	30 V DC/AC/1 A
Operation indicator	green LED
Alarm display	red LED
Connection terminal	max. 2.5 mm ² (AWG 26-14)
Application temperature	-20 °C ... 70 °C
Storage temperature	-30 °C ... 75 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 43, IP 55 with cover 704965
Housing	PC/ASA plastic
Color	blue, similar to RAL 5015
Weight	approx. 110 g
Dimensions	W: 88 mm H: 88 mm D: 21 mm W: 88 mm H: 88 mm D: 57 mm (with surface-mounted housing)
Declaration of Performance	DoP-20792130701

 Please note that for surface mounting, the mount housing (Part No. 704981) must be ordered separately.
Compatible with all IQ8Control systems with firmware V3.08 and tools 8000 V1.14 or superior.

 2 x 10 k (terminating), 1 x 1 k (alarm), 1 x 6.8 k (inverse operation)

Accessories

- 704965 Protective kit for MCP and TAL, transparent
- 704981 Surface mount housing for small MCP, blue

804868.VC0

IQ8TAL with isolator, China

Same as 804868, but Chinese version with eased scope of delivery. Scope of delivery is without double components and the device has no EN 54 approval.

 200 pcs.

804867

IQ8FCT with isolator, 1 contact IN/1 OUT



Approval: VdS

Same as 804868, but with additional fire control transponder (FCT) software functionality.

Features

- Runtime monitoring
- Monitoring 2 states with an input
- Steady or impulsive triggering of relay output
- Max. 127 transponder FCT electronic modules per analog loop

Technical Data

Storage temperature	-30 °C ... 75 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 43, IP 55 with cover 704965
Color	gray, similar to RAL 7035
Weight	approx. 110 g
Declaration of Performance	DoP-20792130701

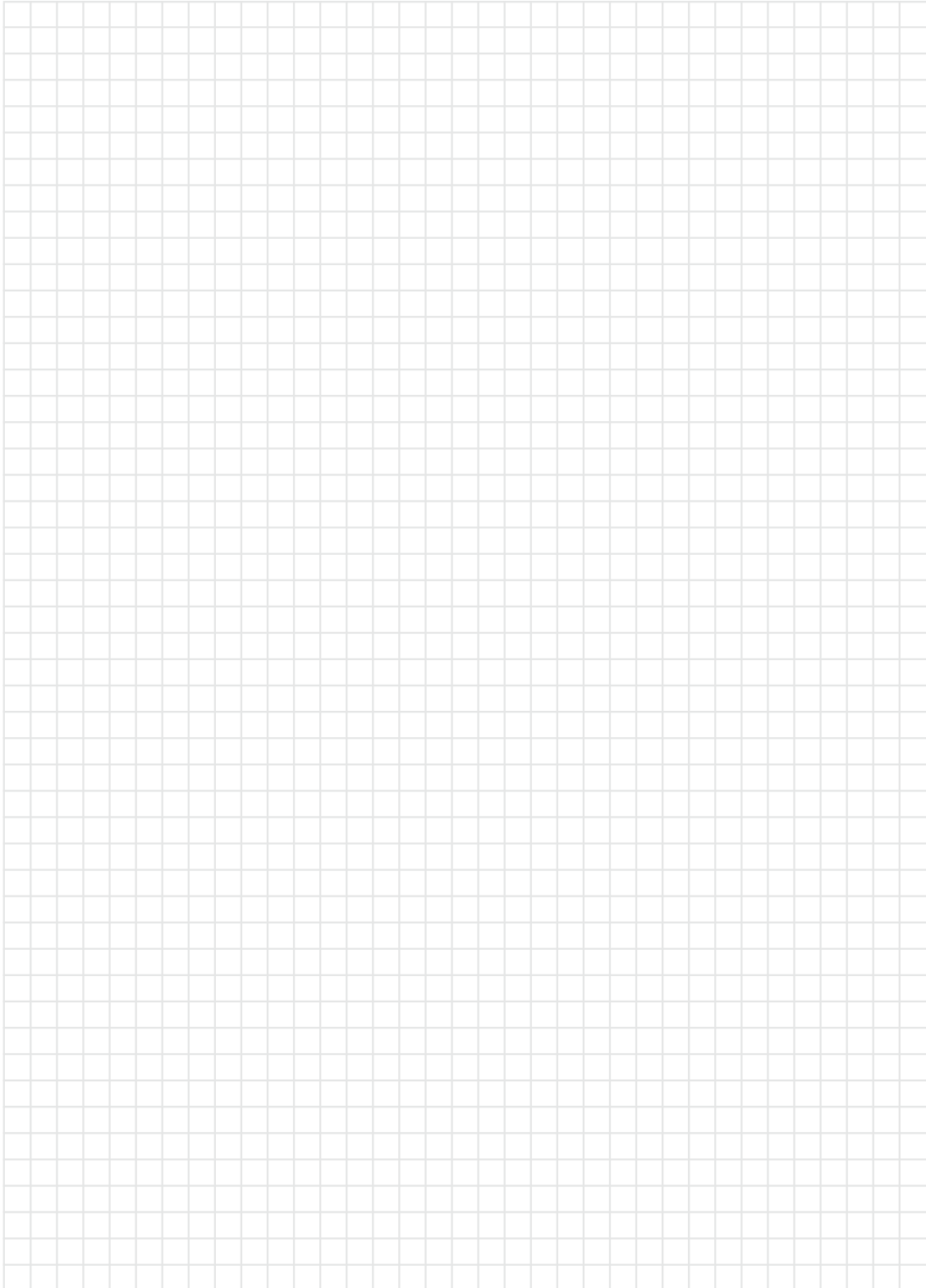


Please note that for surface mounting, the mount housing (Part No. 704985) must be ordered separately.

The IQ8FCT cannot be operated on the following systems:
FACP 80, System 3000 (FACP 3007/3008), FACP 8008, FACP 8000 C/M, Extinguishing System 8010

Accessories

- 704965 Protective kit for MCP and TAL, transparent
- 704985 Surface mount housing for small MCP, gray





Wireless Components

Wireless Modules

194-201

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Wireless Modules


Features

- Radiocommunication transmission features
- Interference-proof transmission via dual band with frequency hopping @ 433 MHz and 868 MHz
- Bi-directional data traffic
- Permanent automatic interference monitoring of transmission path
- In case of interferences, automatic modification of frequency band and radiocommunication channel
- Band blocking detection
- High transmission range (in the open air: max. 300 m)
- Automatic interference detection due to low field strength levels

The following wireless modules are only compatible with IQ8Control panel. Communication between the RF devices is set up via a dual band transmission mode. The RF-technology applies frequency hopping to enable highest transmission security. In case of interference, the frequency band and the radiocommunication channels are automatically modified. If the entire band and the receiver are blocked due to high interference level, a fault signal is transmitted to the fire alarm panel. Thus, secure and reliable wireless transmission is provided. The transmission range in open air is up to 300 m. Inside the building, the transmission range varies, depending on building structure, wall thickness or use of reinforced concrete.

IQ8Wireless radio technology facilitates the cable-free connection of IQ8Quad automatic fire detectors (with and without alarm signaling devices), manual call points and the IQ8Alarm alarm signaling device to the IQ8Control fire alarm system. Already existing fire alarm systems can be expanded using the wireless technology or complete fire alarm systems can be realized for smaller objects with wireless components as well. The allocation of the wireless components to a wireless transponder or wireless gateway takes place via the tools 8000 programming software. The status of the batteries is checked automatically and their necessary replacement is displayed early on as a detector failure on the FACP and/or the wireless transponder*. The optimal installation site as well as the maximum possible transmission distance can be conveniently and quickly transmitted via the tools 8000 integrated field strength measurement.

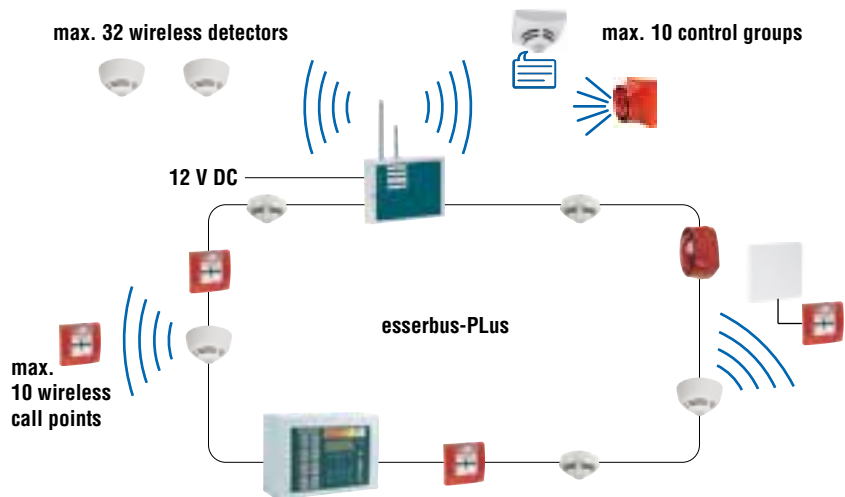
* during allocation of the wireless components via wireless transponder

 Please take into account that the use of wireless components requires extra training, covering project planning and commissioning. For further information see our training brochure.

These devices were designed, produced and labeled for operation within the countries of the European Union (EU) in accordance with the current EU standards and requirements. In case the device is installed outside of the EU, national guidelines and requirements must be taken into consideration.

For further information, please contact your local sales representative.

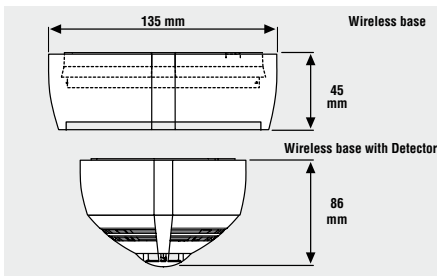
Using components like IQ8Alarm and IQ8Quad with integrated alarm devices the esserbus PPlus is needed.



Connection example

805593.10

IQ8Wireless detector base



Features

The wireless detector base suitable for

- Fixed heat detector (Part No. 802171, 802177)
- Rate-of-rise heat detector (Part No. 802271, 803271)
- Optical smoke detector (Part No. 802371, 803371)
- O²T multisensor fire detector (Part No. 802374, 803374)
- OTG multisensor fire detector (Part No. 802473)

The wireless detector base features

- Individual detector identification on the control panel
- Regular functionality check for each detector
- Alarm and operation display on the detector
- Alarm and fault transmission in accordance with EN 54-2
- Easy detector or battery replacement with detector removal tool
- Fault signal when the mounted wireless base and the inserted detector are removed
- Permanent monitoring of battery voltage
- Up to 2 years battery life depending on detector type and environmental conditions

Approval: VdS

With the IQ8Wireless base, the wireless component is located in the base onto which the respective fire detector is placed. The wireless base facilitates the connection of the IQ8Quad TM, TD, O, O²T and OTG detectors via a wireless transmission line to the esserbus/esserbus-PLus and integrates them via wireless transponder or wireless gateway into the fire alarm system. A maximum of 32 radio bases per wireless transponder and/or 10 per radio gateway can be allocated.

Technical Data

Operating voltage	4 x 3.6 V batteries
Current consumption	approx. 50 µA
Battery operating time	approx. 3 years*
Range inside	max. 30 m
Range outside	max. 300 m
Frequency band 1	433 MHz with 16 channels
Frequency band 2	868 MHz with 7 channels
Data transmission speed	19.2 Kbit/s
Application temperature	-5 °C ... 55 °C
Storage temperature	-20 °C ... 70 °C (w/o batteries) 15 °C ... 35 °C (with batteries)
Air humidity	< 95 % (non condensing)
Type of protection	IP 42
Material	ABS-V0
Color	white, similar to RAL 9010
Weight	approx. 315 g (incl. batteries)
Specification	EN 54-18:2005/-25:2008
Dimensions	Ø: 135 mm H: 49 mm (with detector H: 88 mm)
Declaration of Performance	DoP-20622130701

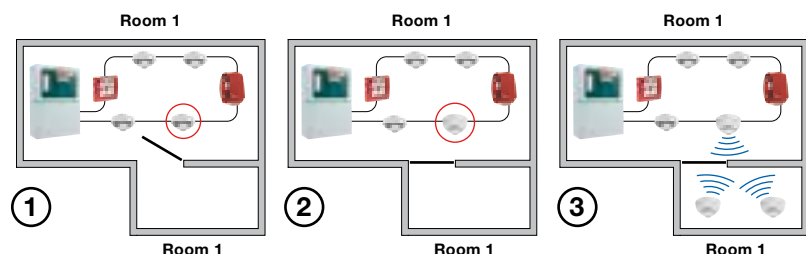
i The batteries to be used are components of the device approval according to EN 54 and are specified by the manufacturer. With the IQ8Wireless radio components, only the approved batteries with Part No. 805597 may be used. Use of batteries other than those specified by us automatically voids the product's device approval (VdS-approval) and may not be used for example in Germany in fire alarm systems under legal building regulations.

*The battery operating time is dependent on the type of detector/device used, as well as the application temperature and additional surrounding conditions. It can be substantially restricted by increased current consumption of the wireless devices in the case of alarm, wireless interference or poor transmission, or even possibly through contact resistance at the contacts. Please note important instructions for usage of batteries in manual Part No. 798941.10 (available at the website).

b 4 x 3.6 V lithium batteries (Part No. 805597)

Accessories

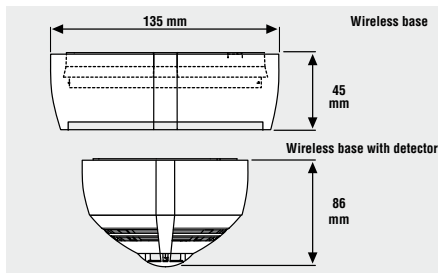
805597 4 x 3.6 V lithium batteries



Expansion via IQ8Wireless gateway with IQ8Wireless detector base

805594.10

IQ8Wireless gateway for devices



Features

- The wireless gateway can be mounted between detector base and IQ8Quad detector. No additional wiring required
- Suitable for IQ8Quad detectors w/o alarm devices
- The connection of an remote LED indicator for this detector is possible
- Wireless communication with up to 10 users
- Maximum 10 wireless bases
- Maximum 10 wireless interfaces with IQ8MCP manual call points
- Maximum 10 control groups for wireless interface with IQ8Quad/IQ8Alarm alarm signaling devices
- All wireless devices are integrated as individually addressable on the esserbus / esserbus-PLus
- esserbus integration of all radiocommunication devices as individually addressable users
- The radiocommunication devices can be allocated in up to 10 detector zones
- Up to 9 wireless gateways per loop
- Alarm and trouble transmission in accordance with EN 54-2
- Easy detector or battery replacement via detector removal tool
- Trouble signal when removing the gateway and the detector
- Permanent monitoring of battery voltage
- One gateway requires one loop address
- The total number of loop devices of the loop will be reduced by only 12 devices for each connected IQ8Wireless Gateway
- Max. 18 IQ8Wireless Gateways per FACP IQ8Control C
- Max. 45 IQ8Wireless Gateways per FACP IQ8Control M and FACP FlexES Control


Approval: VdS

This wireless gateway is especially designed for convenient and time-saving expansion of an already existing IQ8Control/FlexES Control fire detection system. By removing a detector already installed on the loop and adding the wireless gateway to the standard IQ8 detector base, up to 10 additional fire detectors equipped with wireless detector bases or 10 addressable manual call points can be added to the existing system. Up to 10 components with alarm signaling functions – IQ8Alarm alarm signaling devices and/or IQ8Quad fire alarms with integrated alarm signaling device – can be connected per wireless gateway via the universal wireless interface. And all this without any additional cabling. Depending on the surrounding conditions, the wireless transmission can reach up to 200m. The wireless gateway must fundamentally be operated with an IQ8Quad detector. It integrates the intelligent IQ8Wireless components into the esserbus or esserbus-PLus via the wireless base or wireless interface, thus making these components fully individually addressable loop devices.

Up to 9 wireless gateways can be operated on the loop. Each wireless gateway reduces the maximum number of esserbus devices by 12 pieces.


Technical Data

Operating voltage	8 ... 42 V DC (via loop)
Voltage supply	4 x 3.6 V lithium battery
Current consumption	400 µA to max. 2,5 mA
Battery operating time	approx. 3 years*
Range inside	max. 20 m
Range outside	max. 200 m
Frequency band 1	433 MHz with 16 channels
Frequency band 2	868 MHz with 7 channels
Transmitter power	10 mW
Sensitivity	-100 dBm
Data transmission speed	19,2 Kbit/s
Application temperature	-5 °C ... 55 °C
Storage temperature	-20 °C ... 70 °C (w/o batteries) 15 °C ... 35 °C (with batteries)
Air humidity	< 95 % (non-condensing)
Type of protection	IP 42
Material	ABS
Color	white, similar to RAL 9010
Weight	approx. 265 g (incl. batteries)
Specification	EN 54-17:2005/-18:2005/-25:2008
Dimensions	Ø: 135 mm H: 49 mm (with detector H: 88 mm)
Declaration of Performance	DoP-20620130701

 The standard detector base version IQ8Quad 805590 is not included in the RF gateway package.

The batteries to be used are components of the device approval according to EN 54 and are specified by the manufacturer. With the IQ8Wireless radio components, only the approved batteries with part no. 805597 may be used. Use of batteries other than those specified by us automatically voids the product's device approval (VdS-approval) and may not be used for example in Germany in fire alarm systems under legal building regulations.

*The battery operating time is dependent on the type of detector/device used, as well as the application temperature and additional surrounding conditions. It can be substantially restricted by increased current consumption of the wireless devices in the case of alarm, wireless interference or poor transmission, or even possibly through contact resistance at the contacts. Please note important instructions for usage of batteries in FB 798941.

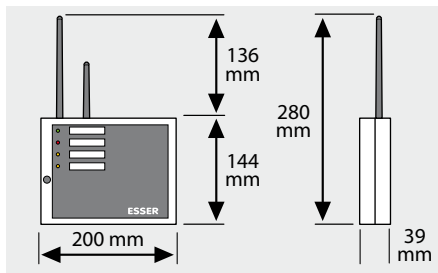
 4 x 3.6 V lithium batteries (Part No. 805597)

Accessories

805597 4 x 3.6 V lithium batteries

805595.10

IQ8Wireless transponder for devices, wall mount



Approval: VdS

This wireless transponder is designed for wall mounting. The wireless transponder communicates with up to 32 other wireless devices. These can be wireless of various types from intelligent automatic fire detectors or wireless interfaces with manual call points and/or alarm signaling devices of the IQ8-family. Using the System IQ8Control/FlexES Control, the wireless transponder integrates the intelligent automatic detectors (with and without alarm signaling devices), manual call point and alarm generator IQ8Alarm in the esserbus / esserbus-PLus via the wireless base and/or wireless interface. The detector base allows esserbus integration of intelligent automatic detectors as bus devices with individual addressing via the transponder. Up to 10 transponders can be operated on one loop. The transponder can be linked with the loop as well as with a conventional detector zone or it can be operated as a stand-alone unit. Potential-free outputs for common fault and common fire are available. For system 8000 the transponder for RF devices can only be connected by using a potential-free relay to 4 IN/2 OUT or 1 IN transponder, because it is not compatible with panel 8000 and it cannot be used as a bus device.


The transponder needs an external supply voltage for operation.

Features

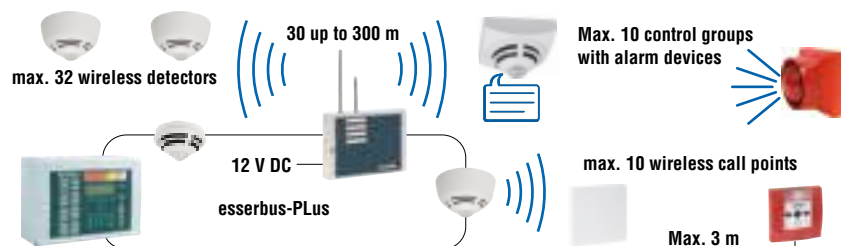
- RF communication with up to 32 users
- maximum 32 wireless bases
- maximum 10 wireless interfaces with IQ8MCP manual call points
- maximum 10 control groups for wireless interface with IQ8Quad/IQ8Alarm alarm signaling devices
- esserbus integration of all RF. Devices as individually addressable users
- The RF devices can be assigned in up to 32 detector zones
- Alarm and fault transmission in accordance with EN 54-2
- Connection to esserbus of IQ8Control panel as bus device as well as to a conventional detector zones
- Stand-alone operation
- Potential-free outputs for common fault and common fire

Technical Data

Operating voltage	9 ... 30 V DC (via loop)
Quiescent current @ 12 V DC	approx. 17 mA
Alarm current @ 12 V DC	approx. 18 mA
Range inside	max. 30 m
Range outside	max. 300 m
Frequency band 1	433 MHz with 16 channels
Frequency band 2	868 MHz with 7 channels
Data transmission speed	19,2 Kbit/s
Contact load relay	30 V DC/1 A
Application temperature	-5 °C ... 55 °C
Storage temperature	-10 °C ... 60 °C
Air humidity	< 95 % (non condensing)
Type of protection	IP 42
Housing	ASA + PC
Color	white, similar to RAL 9010
Weight	approx. 250 g
Specification	EN 54-17:2005/-18:2005/-25:2008
Dimensions	W: 200 mm H: 280 mm D: 39 mm (with detector H: 88 mm)
Declaration of Performance	DoP-20621130701

 The external power supply of the IQ8Wireless transponder can come from the FACP or from an external power unit.

The voltage for the wireless transponder can be supplied by the FACP or an external power supply. An individual, separately protected supply line must be installed for the voltage supply. The external voltage supply is monitored by the wireless transponder. If the wireless transponder is installed as a device on the IQ8Control/FlexES Control, fire system, analog loop, a disturbance is transmitted to the fire detection control unit via the loop and is indicated there.



805601.10

IQ8Wireless universal interface w/o cover, red



Approval: VdS

The radio interface allows the IQ8MCP (small or large design) to be connected on the wireless esserbus-PLus.

The radio interface connects the intelligent IQ8MCP to the esserbus/powerd loop via the IQ8Wireless transponder or the IQ8Wireless gateway. Thus, the devices are automatically converted into individually addressable loop devices.

Features

Radio interface suitable for:


- IQ8MCP - electronic module, large design (Part No. 804905/ 804906)
- IQ8MCP – complete package, small design (Part No. 804971)
- IQ8MCP - electronic module, small design (Part No. 804955), only with mounting frame (Part No. 704967)
- IQ8Quad detectors (with and without alarm signaling devices)
- IQ8Alarm alarm signaling device (Part No. 8073xx)

Radio interface features:

- The IQ8 components are individually identified on the FACP
- Regular functionality performance checks of IQ8 components
- Fault signal when the IQ8 components are removed from the FACP
- Operating mode display directly at the IQ8 manual call point and IQ8Quad detector
- Alarm and fault message transmission in compliance with EN 54-2
- Easy detector removal and battery replacement using multi-functional key
- Remote operation of IQ8 components possible (max. 3 meters) via 2-wire line
- Constant battery status monitoring
- Early battery replacement notification at the FACP


Technical Data

Operating voltage	4 x 3.6 V batteries
Current consumption	approx. 30 µA
Battery operating time	approx. 3 years*
Range inside	max. 30 m
Range outside	max. 300 m
Frequency band 1	433 MHz with 16 channels
Frequency band 2	868 MHz with 7 channels
Data transmission speed	19,2 Kbit/s
Application temperature	-5 °C ... 55 °C
Storage temperature	-20 °C ... 70 °C (w/o batteries) 15 °C ... 35 °C (with batteries)
Air humidity	< 95 % (non-condensing)
Type of protection	IP 42
Material	PC/ASA plastic
Color	red, similar to RAL 3020
Weight	approx. 285 g (incl. batteries, without attachment)
Specification	EN 54-18:2005/-25:2008
Dimensions	W: 135 mm H: 135 mm D: 20 mm (without attachment)
Declaration of Performance	DoP-20623130701

 Only use small manual call points with mounting frame Part No. 704967.

The batteries to be used are components of the device approval according to EN 54 and are specified by the manufacturer. With the IQ8Wireless radio components, only the approved batteries with Part No. 805597 may be used. Use of batteries other than those specified by us automatically voids the product's device approval (VdS-approval) and may not be used for example in Germany in fire alarm systems under legal building regulations.

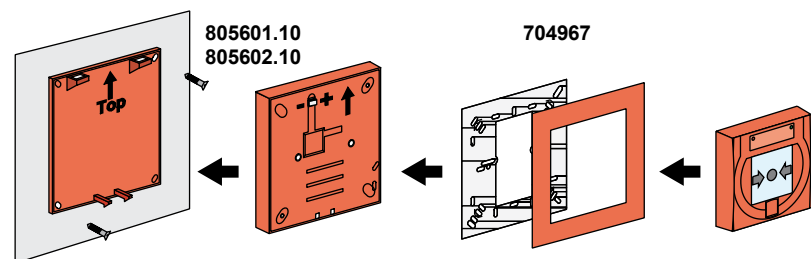
*The battery operating time is dependent on the type of detector/device used, as well as the application temperature and additional surrounding conditions. It can be substantially restricted by increased current consumption of the wireless devices in the case of alarm, wireless interference or poor transmission, or even possibly through contact resistance at the contacts. Please note important instructions for usage of batteries in in manual Part No. 798941.10 (available at the website).

 4 x 3.6 V lithium batteries (Part No. 805597)

Accessories

704967 Mounting frame for small MCP

805603 IQ8Wireless-mounting frames for IQ8Alarm



Application example for large MCP

805602.10

IQ8Wireless universal interface w/o cover, white



Features

Radio interface suitable for:

- IQ8MCP - electronic module, large design (Part No. 804905/ 804906)
- IQ8MCP – complete package, small design (Part No. 804971)
- IQ8MCP - electronic module, small design (Part No. 804955), only with mounting frame (Part No. 704967)
- IQ8Quad detectors (with and without alarm signaling devices)
- IQ8Alarm alarm signaling device (Part No. 8073xx)

Radio interface features:

- The IQ8 components are individually identified on the FACP
- Regular functionality performance checks of IQ8 components
- Fault signal when the IQ8 components are removed from the FACP
- Operating mode display directly at the IQ8 manual call point and IQ8Quad detector
- Alarm and fault message transmission in compliance with EN 54-2
- Easy detector removal and battery replacement using multi-functional key
- Remote operation of IQ8 components possible (max. 3 meters) via 2-wire line
- Constant battery status monitoring
- Early battery replacement notification at the FACP

Approval: VdS

The radio interface allows the IQ8MCP (small or large design) to be connected on the wireless esserbus-PLus.

The radio interface connects the intelligent IQ8MCP to the esserbus/powerd loop via the IQ8Wireless transponder or the IQ8Wireless gateway. Thus, the devices are automatically converted into individually addressable loop devices.

Technical Data

Operating voltage	4 x 3.6 V batteries
Current consumption	approx. 30 µA
Battery operating time	approx. 3 years*
Range inside	max. 30 m
Range outside	max. 300 m
Frequency band 1	433 MHz with 16 channels
Frequency band 2	868 MHz with 7 channels
Data transmission speed	19,2 Kbit/s
Application temperature	-5 °C ... 55 °C
Storage temperature	-20 °C ... 70 °C (w/o batteries) 15 °C ... 35 °C (with batteries)
Air humidity	< 95 % (non condensing)
Type of protection	IP 42
Material	PC/ASA plastic
Color	white, similar to RAL 9010
Weight	approx. 285 g (incl. batteries, without attachment)
Specification	EN 54-18:2005/-25:2008
Dimensions	W: 135 mm H: 135 mm D: 20 mm (without attachment)
Declaration of Performance	DoP-20623130701



Only use small manual call points with mounting frame Part No. 704967.

The batteries to be used are components of the device approval according to EN 54 and are specified by the manufacturer. With the IQ8Wireless radio components, only the approved batteries with Part No. 805597 may be used. Use of batteries other than those specified by us automatically voids the product's device approval (VdS-approval) and may not be used for example in Germany in fire alarm systems under legal building regulations.

*The battery operating time is dependent on the type of detector/device used, as well as the application temperature and additional surrounding conditions. It can be substantially restricted by increased current consumption of the wireless devices in the case of alarm, wireless interference or poor transmission, or even possibly through contact resistance at the contacts. Please note important instructions for usage of batteries in in manual Part No. 798941.10 (available at the website).



4 x 3.6 V lithium batteries (Part No. 805597)

Accessories

- 704967 Mounting frame for small MCP
- 805603 IQ8Wireless-mounting frames for IQ8Alarm
- 805604 IQ8Wireless-mounting frames for IQ8Quad

704967

Mounting frame for small MCP, red and white



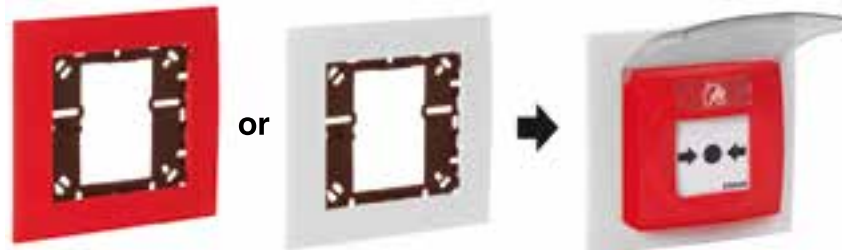
The mounting frame is useful for mounting MCPs on different international flush mount boxes.

Technical Data

Color	red, similar to RAL 3020 white, similar to RAL 9010
Dimensions	W: 132 mm H: 132 mm D: 8 mm



2 x Fastening screws are included (red and white)



Application example: Mounting frame with small MCP

805603

IQ8Wireless mounting frames for IQ8Alarm, red and white



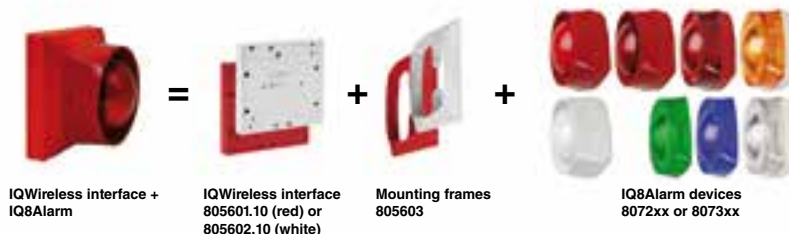
The mounting frame is used for the mounting of the IQ8Alarm alarm signaling devices onto the IQ8Wireless interface Part No. 805601.10/805602.10.

Technical Data

Color	red, similar to RAL 3020 white, similar to RAL 9010
Weight	approx. 64 g
Dimensions	W: 133 mm H: 133 mm D: 21 mm



1 x mounting frame red
1 x mounting frame white



Application example

805604

IQ8Wireless mounting frame for IQ8Quad detectors, white



The mounting frame is used for the mounting of the IQ8Quad fire detector with or without integrated alarm signaling device onto the IQ8Wireless interface 805602.10.

Technical Data

Color	white, similar to RAL 9010
Weight	approx. 41 g
Dimensions	W: 133 mm H: 133 mm D: 21 mm



IQ8Wireless interface +
IQ8Quad detector with
integrated alarm device

IQ8Wireless interface
805602.10

Mounting frame
805604

Standard detector base
805590

IQ8Quad detector
with integrated
alarm device
80238x

Application example

805605


IQ8Wireless cover for wireless interface, red and white

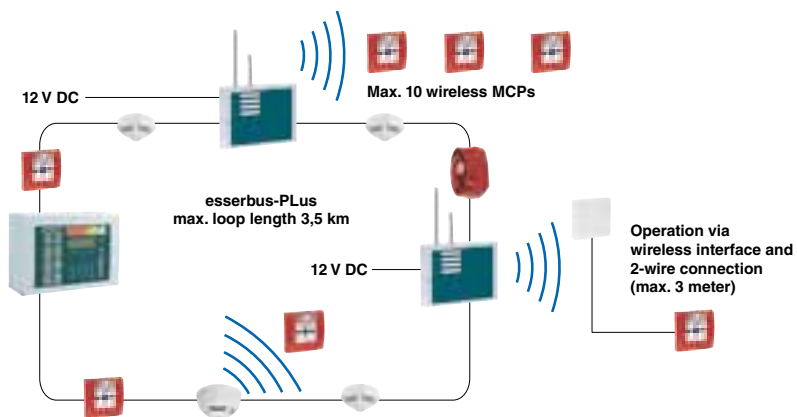


For applications in which the IQ8 components are not to be directly mounted (remote connection) on the IQ8Wireless interface Part No. 805601.10/805602.10, the wireless interface can be used with the filler panel.

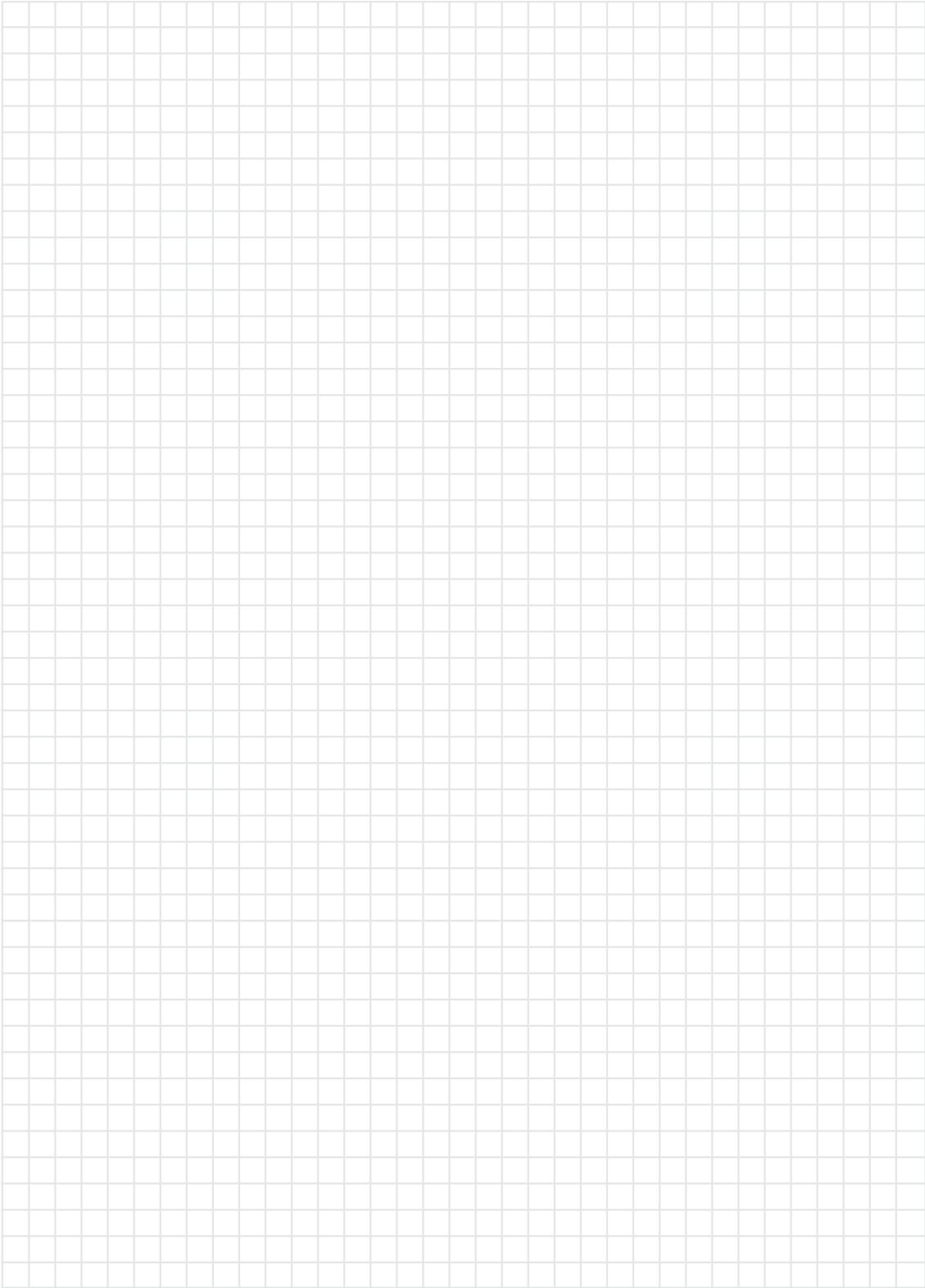
Technical Data

Color	red, similar to RAL 3020 white, similar to RAL 9010
Weight	approx. 33 g
Dimensions	W: 133 mm H: 133 mm D: 8 mm

-  1 x Red cover plate
- 1 x White cover plate



Application example





Detectors for Special Applications

Flame and Heat Detectors

204-208

Air Duct Detectors

209-212

Linear Heat Detectors

213-214

Linear Smoke Detectors

215-226

Aspirating Smoke Detectors

227-250

1

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3

4

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17

Flame Detectors

782311



Features

- Direct linking and voltage supply via standard detector group at the esserbus transponder (Part No. 808623.10)
- Base installation and alignment via mounting bracket (Part No. 783312)
- High IP protection for indoor and outdoor usage
- Operation and fault status displayed on the detector
- Self-monitoring via internal sensors
- Easy testing with magnet via integrated reed switch

UV flame detector UniVario

Approval: VdS

UV flame detector for the recognition of fast developing fires with flame formation. Operation, fault and fire statuses are displayed via LEDs on the detector. The supply voltage and the linking take place directly via the standard detector zone at the esserbus transponder (part no. 808623.10). Resetting of the detector is also carried out directly via the same esserbus transponder.

Technical Data

Operating voltage	9 V DC
Quiescent current @ 9 V DC	approx. 500 µA
Alarm current @ 9 V DC	typ. 15 mA
Area to be monitored	max. 676 m ²
Height to be monitored	max. 45 m
Ambient temperature	-20 °C ... 80 °C
Storage temperature	-40 °C ... 85 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 67
Housing	Die cast aluminum
Color	red, similar to RAL 3000
Weight	approx. 945 g (incl. base and bracket)
Dimensions	W: 130 mm H: 140 mm D: 92 mm
Declaration of Performance	DoP-20567130701



Detector base and mounting bracket are not supplied!

782315



Features

- Direct linking and voltage supply via standard detector group at the esserbus transponder (Part No. 808623.10)
- Base installation and alignment via mounting bracket (Part No. 783312)
- 3-channel infrared flame detector
- High level of protection against disturbance variables thanks to optimized hardware and development of special algorithms
- Maximum level of response sensitivity according to EN54-10, Class 1
- Each optical channel has separate functional monitoring
- Easy testing with magnet via integrated reed switch

Three-channel infrared flame detector UniVario

Approval: G 211041

UniVario three-channel IR flame detector for recognition of quickly developing fires with flame development. Optical windows of the IR sensors are fully monitored. The detector achieves a high level of resistance towards disturbance variables via three-channel infrared evaluation. Voltage supply and connection occur directly via the standard detector zone at the esserbus transponder (Part No. 808623.10). The detector is also reset directly via the same esserbus transponder.

Technical Data

Operating voltage	9 V DC
Quiescent current	approx. 2.3 mA
Alarm current @ 9 V DC	typ. 15 mA
Area to be monitored	max. 676 m ²
Height to be monitored	max. 45 m
Ambient temperature	-20 °C ... 80 °C
Storage temperature	-40 °C ... 85 °C
Air humidity	0 ... 95 % (non-condensing)
Type of protection	IP 67
Housing	Die cast aluminum
Color	red, similar to RAL 3000
Weight	approx. 991 g (incl. base and bracket)
Dimensions	W: 130 mm H: 140 mm D: 92 mm
Declaration of Performance	DoP-21055130701



Detector base and mounting bracket are not supplied!

Heat Detectors

782310



Heat detector UniVario

Approval: G 211039


For detection of open fires with fast development of heat. For usage in polluted industrial environments, interior and exterior areas. Voltage supply and connection occur directly via the standard detector zone at the esserbus transponder (Part No. 808623.10). The detector is also reset directly via the esserbus transponder.

Features

- Direct linking and voltage supply via standard detector group at the esserbus transponder (Part No. 808623.10)
- Base installation and alignment via mounting bracket (Part No. 783312)
- Microcontroller functional monitoring of heat sensors as well as software and hardware
- Quick fire detection with high level of protection against false alarms
- Comparison to typical false variables using intelligent evaluation algorithms
- High level of electromagnetic compatibility
- Various mounting possibilities
- Oil-tight and high level IP 67 protection class as well as resistance to impact and vibration

Technical Data

Operating voltage	9 V DC
Quiescent current	approx. 0.15 mA
Alarm current @ 9 V DC	typ. 15 mA
Response temperature	0 °C ... 90 °C
Ambient temperature	-20 °C ... 80 °C
Storage temperature	-40 °C ... 85 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 67
Housing	Die cast aluminum
Color	red, similar to RAL 3000
Weight	approx. 995 g (incl. base and bracket)
Dimensions	W: 130 mm H: 140 mm D: 85 mm
Declaration of Performance	DoP-21053130701

 Detector base and mounting bracket are not supplied!

782302




Heat detector UniVario, 200 mm

Approval: G 211040

Same as 782310, but with sensor rod length of 200 mm.

Technical Data

Quiescent current	approx. 0.25 mA
Response temperature	54 °C ... 400 °C
Weight	approx. 1 kg
Declaration of Performance	DoP-21054130701

 Detector base and mounting bracket are not supplied!


782303

Heat detector UniVario, 400 mm

Same as 782302, but with sensor rod length of 400 mm.

Technical Data

Weight	approx. 1.1 kg
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 Detector base and mounting bracket are not supplied!


782304

Heat detector UniVario, 600 mm

Same as 782302, but with sensor rod length of 600 mm.

Technical Data

Weight	approx. 1.2 kg
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 Detector base and mounting bracket are not supplied!

782306


Heat detector UniVario, 2 m



Same as 782310, but with sensor tube for installation in areas with poor accessibility such as shafts and canals.

Technical Data

Response temperature	54 °C ... 400 °C
Weight	approx. 1.3 kg

 Detector base and mounting bracket are not supplied!


782307

Heat detector UniVario, 6 m

Same as 782306, but with sensor tube length of 6 m.

Technical Data

Weight	approx. 1.4 kg
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 Detector base and mounting bracket are not supplied!


782308

Heat detector UniVario, 9 m

Same as 782306, but with sensor tube length of 9 m.

Technical Data

Weight	approx. 1.5 kg
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 Detector base and mounting bracket are not supplied!

Accessories

783312

Mounting bracket for UniVario flame detectors



Mounting bracket for alignment of the industrial flame detectors UniVario. Simple installation with base Part No. 783313.

783313

Standard base UniVario



Standard detector base for detectors of the UniVario product family.

Technical Data

Weight	approx. 350 g
Dimensions	W: 130 mm H: 140 mm D: 36 mm

Features

- Simple detector exchange via standard base principle
- Fast installation via simple plug-in
- Generous space for cabling for user-friendly installation

Explosion-Proof Detectors

761347

IR flame detector (Ex) X 9800



Features

- Visual range: 90°
- Maintenance with magnets, no test lamp required
- Status display directly at the detector via 3-color LED for operation, fault and alarm
- Actuation and resetting via esserbus transponder 808623 in loop operation
- Automatic, manual or magnetic optical integrity (oi) testing, no external test lamp required


Approval: VdS,ATEX


The pressure-proof, fully enclosed infrared flame detector particularly distinguishes itself through reliable operation in difficult conditions. An integrated LED and three relays provide information regarding the state of operation, failure, and alarm. Contamination resistance and heated optics to prevent condensation and formation of ice also allow for external operation. Typical areas of application are turbines, petrochemistry and the automotive industry.

Activation on the loop and resetting take place via the esserbus transponder 808623. Activation on a conventional line occurs via the same transponder. This device requires a separate voltage supply of 24 V DC.

Technical Data

Operating voltage	24 V DC
Current consumption @ 24 V DC	approx. 87.5 mA
Display	max. 25 m
Height to be monitored	max. 20 m
Ambient temperature	-40 °C ... 75 °C
Storage temperature	-55 °C ... 85 °C
Air humidity	< 95 % (non-condensing)
Ex-category	II 2 GD
Explosion protection	EEx d IIC T5-T6, T86°C
Type of protection	IP 66
Housing	Die cast aluminum
Weight	approx. 2.7 kg (+ 6.0 kg fixture)
Detector specification	EN 54-10, Class 1
EC-type examination certificate	DEMKO 02 ATEX 132195
Dimensions	Ø: 122 mm H: 246 mm

 Please note: for mounting of the holder, a 14 mm Allen key is necessary and is not included in delivery.

 Mounting bracket

761349

UV/IR flame detector (Ex) X 5200



Features

- Visual range: 90°
- Maintenance with magnets, no test lamp required
- Status display directly at the detector via 3-color LED for operation, fault and alarm
- Actuation and resetting via esserbus transponder 808623 in loop operation
- Automatic, manual or magnetic optical integrity (oi) testing, no external test lamp required

Approval: VdS, ATEX

Since it can be mounted, the pressure-proof, fully enclosed combination ultraviolet/infrared flame detector enables UV and IR transmitters to monitor the same danger zone with a visual angle of 90°. Triggering occurs only by activation of the IR and UV sensors. A LED provides information regarding the state of operation, failure and alarm. Three relays (fire, failure and additional alarm) are integrated for connection to a fire detection system. Contamination resistance and heated optics to prevent condensation and formation of ice also allow for external operation. Typical areas of application are turbines, munitions depots, natural gas depots and aircraft hangers.

Activation on the loop and resetting take place via the esserbus transponder 808623. Activation on a conventional line occurs via the same transponder. This device requires a separate voltage supply of 24 V DC.

Technical Data

Operating voltage	24 V DC
Current consumption @ 24 V DC	approx. 117 mA
Display	max. 25 m
Height to be monitored	max. 20 m
Ambient temperature	-40 °C ... 75 °C
Storage temperature	-55 °C ... 85 °C
Air humidity	< 95 % (non-condensing)
Ex-category	II 2 GD
Explosion protection	EEx d IIC T5-T6, T86°C
Type of protection	IP 66
Housing	Die cast aluminum
Weight	approx. 2.7 kg (+ 6.0 kg fixture)
Detector specification	EN 54-10, Class 1
EC-type examination certificate	DEMKO 02 ATEX 132195
Dimensions	Ø: 122 mm H: 246 mm



Please note: for mounting of the holder, a 14 mm Allen key is necessary and is not included in delivery.



Mounting bracket

Air Duct Detectors

781443

Venturi air duct module for IQ8Quad OTblue-LKM (802379)



Features

- Single-tube air analysis system based on the Venturi principle
- Optimum utilization of air flow velocity through new Venturi tube design
- Integrated maintenance opening in the front cover so that air duct smoke detector can be tested
- Suitable for air duct widths from 0.6 to 2.8 m
- Integrated air flow display


Ventilation air duct module for usage of the OTblue-LKM Part No. 802379 air duct smoke detector in combination with Venturi tubes Part No. 781446, 781447 or 781448. The module is mounted on the outside of the air ducts.

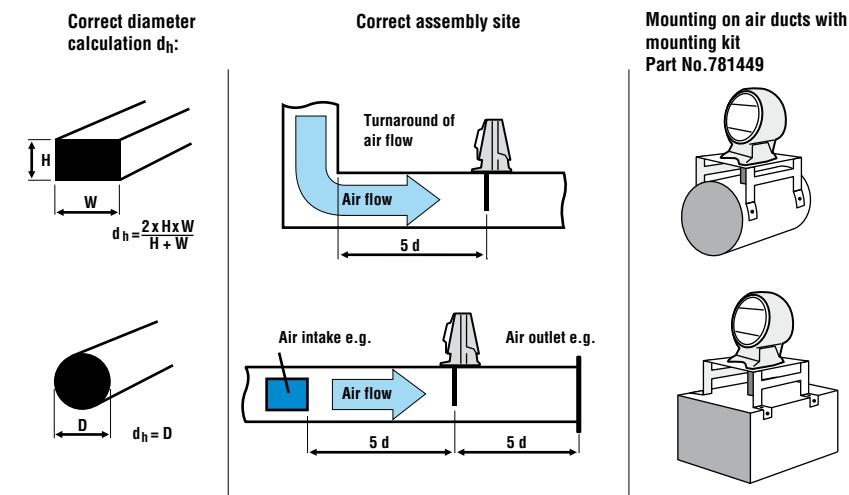
The Venturi tube enters the duct and leads the air out of the duct through the detection chamber of the detector back to the duct and finally back into the duct. During operation, the detector and the alarm LED is visible so that an external parallel detector indicator is not required.

The housing need not be opened for maintenance purposes. Inspection of the detector be performed quickly and easily via a separate opening in the front of the housing.

Technical Data

Type of protection	IP 54
Housing	ABS plastic
Color	gray
Weight	approx. 800 g
Dimensions	W: 180 mm H: 235 mm D: 183 mm

 Construction kit includes pipe gasket and cap. The following items are not included: IQ8Quad OTblue LKM or detector base as well as the Venturi tube or filter cartridge.



Application example with detector

Accessories

802379

OTblue-LKM multisensor fire detector IQ8Quad with isolator



Approval: VdS

Specially addressable IQ8Quad multisensor fire detector with integrated optical sensor and heat sensor and enhanced false alarm management. For application as air duct smoke detector in venturi air duct modules Part No. 781443. The optical measurement chamber is provided with a patented developed sensor technology using a high-sensitive blue LED (instead of the commonly used red LED in Optical smoke detectors), enabling the detection of open fires, smoldering fires and fires with high heat generation.


Especially for open fires, the classical ionization technology implemented in ionization detectors is replaced by the unique detection technology, unlike ionization detectors, this sensor works without a radioactive element which causes problems at the time of refuse disposal. The detector is capable of identifying the TF1 and TF6 test fires described in the EN 54-9:1982 specification. Well suited for sensitive environment, detection of invisible up to large aerosols.

The OTblue multisensor is an intelligent detector with time-related signal analysis, signal correlation of the sensor data, decentralized intelligence, automatic function self-test, CPU failure mode, automatic adaptation to environmental conditions, alarm and operating data memory, alarm indicator and soft-addressing.

The detector is provided with an integrated isolator and a parallel detector indicator can be connected.

Technical Data

Operating voltage	9 ... 42 V DC
Quiescent current @ 19 V DC	approx. 50 µA
Quiescent current @ FACP battery	approx. 200 µA @ 27,5 V approx. 280 µA @ 42 V
Air speed	1 ... 20 m/s
Application temperature	-20 °C ... 50 °C
Storage temperature	-25 °C ... 75 °C
Air humidity	< 95 % (non condensing)
Type of protection	IP 43 (with base + option)
Housing	ABS plastic, white, similar RAL 9010
Weight	approx. 110 g
Detector specification	EN 54-7
Specification	EN 54-7/-17, CEA 4021
Dimensions	Ø: 117 mm H: 62 mm (incl. base)
Declaration of Performance	DoP-20116130701

 Only suitable for application in air duct construction set 781443.

Accessories

- 805590 Standard detector base for IQ8Quad
- 805591 Detector base with relay contact for IQ8Quad

781444

Filter cartridge for air duct module 781443



For use in unclean environmental conditions.

781446

Venturi tube for IQ8Quad air duct construction set 781443, 0.6 m



Venturi tube 0.6 m for application with air duct construction set Part No. 781443 between 140 mm and 600 mm.

Technical Data

Material aluminum

Required borehole in the duct: 38 mm

781447

Venturi tube for IQ8Quad air duct construction set 781443, 1.5 m



Venturi tube 1.5 m for application with air duct construction set Part No. 781443 between 600 mm and 1400 mm.

Technical Data

Material aluminum

Required boreholes in the duct: 38 mm below and 50 mm above.

Venturi tube, plastic gasket and rubber seal

781448

Venturi tube for IQ8Quad air duct construction set 781443, 2.8 m



Venturi tube 2.8 m for application with air duct construction set Part No. 781443 between 1400 mm and 2700 mm.

Technical Data

Material aluminum

Required boreholes in the duct: 38 mm below and 50 mm above.

Venturi tube, plastic gasket and rubber seal

781449

Mounting set for round and insulated air ducts



Mounting set for mounting the Part No. 781443 air duct construction set to round and / or insulated air ducts.

Venturi tube, plastic gasket and rubber seal

781445

Weather protection housing for air duct construction set 781443



Protects the air duct detector in difficult environmental conditions such as during use in outside areas.

The weather resistant housing can be subsequently fixed above the already mounted and installed air duct module Part No. 781443.

Technical Data

Type of protection	IP 65
Material	galvanized steel
Weight	approx. 1.8 kg
Dimensions	Ø: 282 mm H: 280 mm



Opened condition

781454

Filter cartridge for air duct module 781453



Spare filter insert for 781453 air duct kit.

Phase out date: 31.01.2008

Linear Heat Detector LWM

761290

Linear heat detector LWM-1, DE/EN



Approval: VdS

Features


- Maximum sensor length of 300 m
- Resistant against mechanical and chemical impact, corrosion, humidity and dust
- Easy to install, economic, low-maintenance
- Calibration switch setting
- VdS approval as per EN 54-5 A1 applicable up to 7.5 m ceiling height
- Suitable for application in hazardous areas
- Early fire detection with heat detector classes A1, A2, B and C
- High chemical and / or mechanical resilience by using special sensor cables
- 2 floating relay contacts for fire and fault disturbances
- Separate reset input for resetting via esserbus transponder 808623 during loop operation
- Test button for simulating alarm, fault and LED test

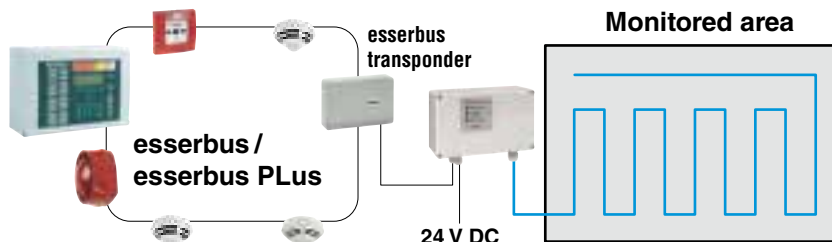
The LWM-1 enables early detection of fires or overheating. It is specifically designed for application in narrow rooms or rough environmental conditions. The system consists of an LWM-1 evaluation unit and a special sensor cable, which must be selected according to the type of application. The actuation on the loop and the resetting function is carried out via the esserbus transponder Part No. 808623.

Actuation on a conventional line is carried out via the same transponder. The device requires a separate voltage supply of 24V DC for the galvanic separation of D.C. voltage potentials and the voltage converter Part No. 781337 must be used in order to avoid ground faults.

Technical Data

Operating voltage	10 ... 30 V DC
Quiescent current @ 24 V DC	approx. 25 mA
Current consumption @ 24 V DC	approx. 25 mA (DIFF- or MAX-alarm)
Starting current @ 24 V DC	< 100 mA
Current consumption in the case of failure	max. 15 mA
Display	LED green: in operation, permanent light; LED red: alarm diff., permanent light, locked; LED red: alarm max., permanent light, locked; LED yellow: fault, flashing light, locked
Range	max. 300 m, dependent on ambient temperature
Temperature range	-20 °C ... 50 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 65
Material	ABS plastic
Color	gray similar to RAL 7035
Weight	approx. 550 g
Maximum sensor length	max. 300 m
Dimensions	W: 200 mm H: 120 mm D: 80 mm

 The fastening clamp for mounting the line heat detector can be purchased at wholesale. For application in Ex areas please read the explanation in the manual.



Application example

Accessories

761243

Termination link set for sensor cable



The set contains four links for one end point.

761244

Connection link set for sensor cable



The set contains six links for one interconnection point.

761245

Sensor cable, blue



Sensor cable for use in non-aggressive atmosphere, but with high humidity for the Part No. 761290 line heat detector.

Technical Data

Operating voltage	-5 ... 100 V DC
Dimensions	Ø: 3.15 mm



The price stated is the price per meter. Order quantity at least 5 m or a multiple thereof.

761246

Sensor cable, black



Sensor cable with nylon cover for protection against acids and bases for the Part No. 761290 line heat detector.

Technical Data

Operating voltage	-60 ... 100 V DC
Dimensions	Ø: 4.8 mm



The price stated is the price per meter. Order quantity at least 5 m or a multiple thereof.

761247

Sensor cable, black, with steel braiding



For reducing the mechanical loading of the cable under extreme conditions for the line type heat detector Part No. 761290, the sensor cable is additionally protected by a stainless steel braid.

Technical Data

Operating voltage	-60 ... 100 V DC
Dimensions	Ø: 5.8 mm



The price stated is the price per meter. Order quantity at least 5 m or a multiple thereof.
Cancellations or returns are not possible.

Open-area Smoke Imaging Detection (OSID)



Features

- Patented dual wavelength, UV & IR, particle detection
- High immunity to dust, fogging, steam, reflections and object intrusion
- High tolerance to vibration and structural movement
- Easy alignment with large adjustment and viewing angles
- Simple installation, commissioning and maintenance
- Simple DIP switch configuration
- 3D volumetric coverage
- Maximum detection range up to 150 meters

The linear smoke detector OSID using dual wavelength detects only repeatable absolute smoke obscuration values, while rejecting the presence of dust particles or solid intruding objects. This is already provided using the simplest configuration – one imager and one emitter. One imager can work with up to seven emitters.

An optical imaging array in the OSID detector provides a wider viewing angle to locate and capture images. Consequently, the system is easier to install and align and can compensate for drift caused by natural shifts in building structures.

In addition, OSID requires only limited space (15 - 20 cm) in its line of view. Therefore, the solution can be deployed safely between ceilings and supporting structures, moving cranes, etc.

Each component can be mounted directly to the surface or can be secured with the supplied mounting brackets.

Imager	Field of View		Detection Range				Max. Number of Emitters
	Horizontal	Vertical	Standard Power		High Power		
			Min	Max	Min	Max	
10°	7°	4°	30 m (98 ft)	150 m (492 ft)	--	--	1
45°	38°	19°	15 m (49 ft)	60 m (197 ft)	30 m (98 ft)	120 m (393 ft)	7
90°	80°	48°	6 m (20 ft)	**34 m (111 ft)	12 m (39 ft)	**68 m (223 ft)	7

** Maximum Distances measured for the Center Field of View of the Imager. For more details on distances for the Imager, see the OSID Product Guide.

761300

OSID Imager - 7° coverage

NEW

Approval: G211072

Features

- Max. Detection range up to 150 m with standard light source
- 3 levels of sensitivity possible (35 %, 45 %, 60 %)
- Easy DIP switch configuration
- Pollution Monitoring

Imager for use with OSID emitter (Part No.: 761303 – 761305).

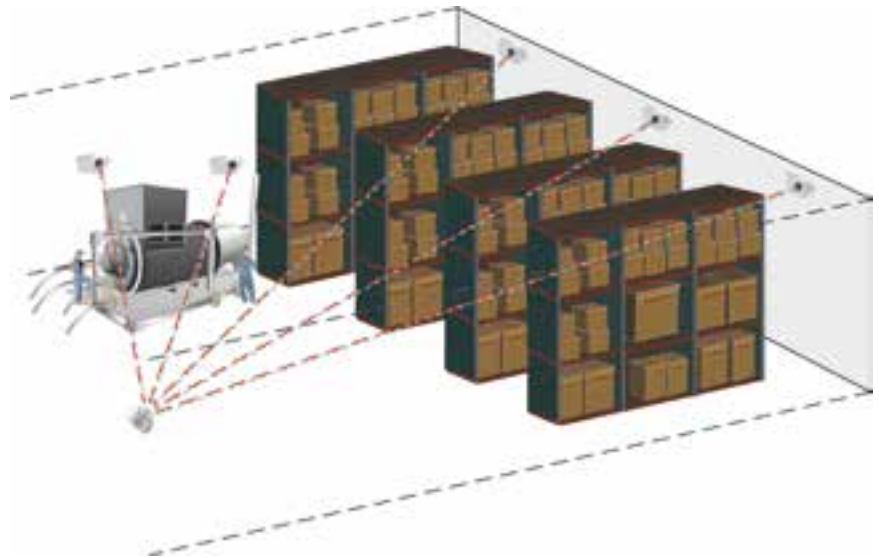
Image sensor / receiver for smoke detection for open spaces, evaluation. Two light sources (IR and UV), optical filters, high-speed image capture and intelligent software algorithms to increase the noise immunity and safety from erroneous / false alarms, 1 light source can be connected, via sensors and DIP switch individually configurable.

Technical Data

Operating voltage	20 ... 30 V DC
Current consumption @ 24 V DC	approx. 4 mA @ 1 imager, 7 mA @ 7 imager
Range	< 150 m
Alignment angle	-60° ... 60° (h), -15° ... 15° (v)
Ambient temperature	-10 °C ... 55 °C
Air humidity	10 ... 95 % (non-condensing)
Type of protection	IP 44 (electronic) IP 66 (optical housing)
Weight	approx. 651 g
Detector specification	EN 54-12
Dimensions	W: 198 mm H: 130 mm D: 96 mm

Accessories

- 761310 OSID Installation Kit
- 761303 Emitter - Standard Power, battery version
- 761304 Emitter - Standard Power, wired at 24 V DC
- 761305 Emitter - High Power, wired at 24 V DC



761301

OSID Imager - 38° coverage

NEW

Approval: G211072

Features

- Max. Detection range up to 150 m with standard light source
- 3 levels of sensitivity possible (35 %, 45 %, 60 %)
- Easy DIP switch configuration
- Pollution Monitoring

Imager for use with OSID emitter (Part No.: 761303 – 761305).
Image sensor / receiver for smoke detection for open spaces, evaluation. Two light sources (IR and UV), optical filters, high-speed image capture and intelligent software algorithms to increase the noise immunity and safety from erroneous / false alarms, 7 light source can be connected, via sensors and DIP switch individually configurable.

Technical Data

Operating voltage	20 ... 30 V DC
Current consumption @ 24 V DC	approx. 4 mA @ 1 imager, 7 mA @ 7 imager
Range	< 150 m
Alignment angle	-60° ... 60° (h), -15 ... 15° (v)
Ambient temperature	-10 °C ... 55 °C
Air humidity	10 ... 95 % (non-condensing)
Type of protection	IP 44 (electronic) IP 66 (optical housing)
Detector specification	EN 54-12
Dimensions	W: 198 mm H: 130 mm D: 96 mm

Accessories

- 761310 OSID Installation Kit
- 761303 Emitter - Standard Power, battery version
- 761304 Emitter - Standard Power, wired at 24 V DC
- 761305 Emitter - High Power, wired at 24 V DC

761302

OSID Imager - 80° coverage

NEW

Approval: G211072

Features

- Max. Detection range up to 150 m with standard light source
- 3 levels of sensitivity possible (35 %, 45 %, 60 %)
- Easy DIP switch configuration
- Pollution Monitoring

Imager for use with OSID emitter (Part No.: 761303 – 761305).
Image sensor / receiver for smoke detection for open spaces, evaluation. Two light sources (IR and UV), optical filters, high-speed image capture and intelligent software algorithms to increase the noise immunity and safety from erroneous / false alarms, 7 light source can be connected, via sensors and DIP switch individually configurable.

Technical Data

Operating voltage	20 ... 30 V DC
Current consumption @ 24 V DC	approx. 4 mA @ 1 imager, 7 mA @ 7 imager
Range	< 150 m
Alignment angle	-60° ... 60° (h), -15 ... 15° (v)
Ambient temperature	-10 °C ... 55 °C
Air humidity	10 ... 95 % (non-condensing)
Type of protection	IP 44 (electronic) IP 66 (optical housing)
Detector specification	EN 54-12
Dimensions	W: 198 mm H: 130 mm D: 96 mm

Accessories

- 761310 OSID Installation Kit
- 761303 Emitter - Standard Power, battery version
- 761304 Emitter - Standard Power, wired at 24 V DC
- 761305 Emitter - High Power, wired at 24 V DC

761304

OSID Emitter Standard Power

NEW

Approval: G211072

The standard light source corresponding to the production of two light sources (UV / IR). These are evaluated by a OSID receiver.

Technical Data

Operating voltage	20 ... 30 V DC
Current consumption @ 24 V DC	approx. 0.35 mA
Ambient temperature	-10 °C ... 55 °C
Air humidity	10 ... 95 % (non-condensing)
Type of protection	IP 44 (electronic) IP 66 (optical housing)
Dimensions	W: 198 mm H: 130 mm D: 96 mm

Accessories

- 761310 OSID Installation Kit
- 761300 Imager - 7° Coverage, 24 V DC
- 761301 Imager - 38° Coverage, 24 V DC
- 761302 Imager - 80° Coverage, 24 V DC

761303

OSID Emitter Standard Power, Battery Version

NEW

Approval: G211072

Features

- Built-in 5 year battery

The battery-powered light source corresponding to the production of two light sources (UV / IR). These are evaluated by a OSID receiver. The built-in battery lasts 5 years.

Technical Data

Ambient temperature	-10 °C ... 55 °C
Air humidity	10 ... 95 % (non-condensing)
Type of protection	IP 44 (electronic) IP 66 (optical housing)
Weight	approx. 563 g
Dimensions	W: 198 mm H: 130 mm D: 96 mm

Accessories

- 761310 OSID Installation Kit
- 761300 Imager - 7° Coverage, 24 V DC
- 761301 Imager - 38° Coverage, 24 V DC
- 761302 Imager - 80° Coverage, 24 V DC

761305

OSID Emitter High Power

NEW

Approval: G211072

The high power light source for generating two light sources (UV / IR) is required. These are evaluated by a OSID receiver. Thus, longer monitoring distances are possible. See description of OSID receiver.

Technical Data

Operating voltage	20 ... 30 V DC
Current consumption @ 24 V DC	approx. 0.8 mA
Ambient temperature	-10 °C ... 55 °C
Air humidity	10 ... 95 % (non-condensing)
Type of protection	IP 44 (electronic) IP 66 (optical housing)
Dimensions	W: 198 mm H: 130 mm D: 96 mm

Accessories

- 761310 OSID Installation Kit
- 761300 Imager - 7° Coverage, 24 V DC
- 761301 Imager - 38° Coverage, 24 V DC
- 761302 Imager - 80° Coverage, 24 V DC

761310

NEW

OSID installation kit

The OSID installation kit is used for commissioning and maintenance of OSID smoke detector function.



- 1 x Laser alignment tool
- 1 x Test filter
- 1 x PC cable
- 1 x Cleaning cloth
- 1 x Manual

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Linear Smoke Detector LRMX

Features

- Motorized detector head
- User-friendly commissioning via automatic self-adjustment
- Disturbance-protected operation via automatic electromechanical tracking of the detector head during building movements
- Optimal access via remote operating unit at eye level
- Clear representation of all states via central indicator display on the operating unit
- High level of IP protection for usage under difficult environmental conditions
- Activation and reset via esserbus transponder 808623 during loop operation
- Ranges from 5 to 100 m
- Large assortment of accessories

The LRMX Line Smoke Detector marks a new generation of infrared light-beam detectors in compliance with EN 54-12.

Based on the light absorption principle, the sender sends a pulsated infrared beam of light to the prism reflectors which are to be mounted opposite the detector. These prisms reflect the light back to the receiver. If smoke should enter the infrared light beam and dim it to a defined degree, a signal is forwarded via the esserbus transponder to the FACP. Both fire alarms as well as disturbance alarms are forwarded to the FACP.

The prominent feature of this new generation is the automatic alignment at initial start-up and the regular adjustment of the detector head via the integrated engine in the detector. This simplifies start-up considerably and thus it can be carried out more quickly. Due to the automatic self-adjustment of the detector during even the slightest building movements, as for example due to length extensions, temperature variations, etc., the LRMX can always retain the optimal position of the initial alignment and thus is even more protected from disturbance.

Operation is user-friendly via the ground-level operating and control unit which is operated remotely from the detector. The power is supplied directly to the detector, so that in the case of an operating and control unit failure, continuing operation of the LRMX is guaranteed.

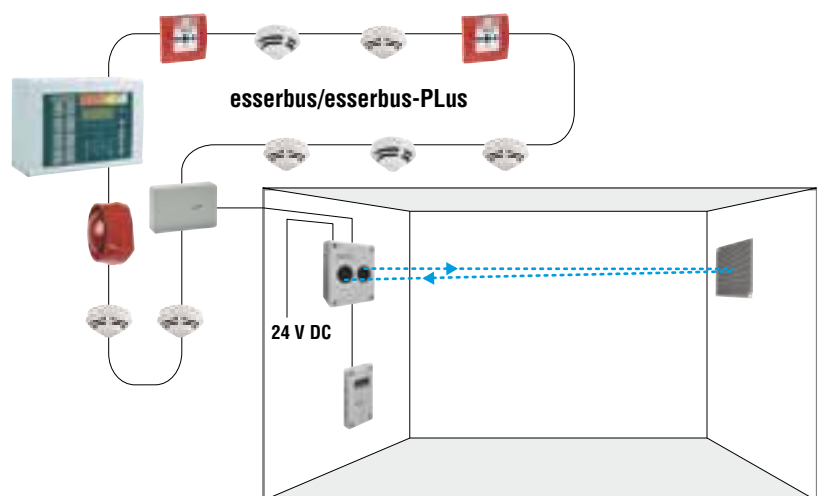
The operating and control indicator has an indicator display which shows all reports and states clearly and at eye-level.

With the aid of the display, a manual alignment of the detector is also possible even in the case of very difficult initiation conditions, as the horizontal and vertical coordinates of the infrared light-beam are represented in detail.

The connection to the esserbus-loop is carried out via the esserbus transponder 808623 in the usual manner. Resetting can also be easily carried out via this esserbus transponder: using the tools 8000 programming and service software, the relays on the transponder can be programmed as reset relays and the reset time can be set individually.

In conclusion, the LRMX on the esserbus represents a significant advance in the world of line smoke detectors and guarantees an extremely high degree of disturbance-free and low-maintenance operation.

	Description	Part No.
LRMX	Linear Smoke Detector LRMX+	761400.10
	Linear Smoke Detector LRMX+ anti fog and heating, all weather	761410
Reflector sets	Single reflector for LRMX	761403
	Reflector set for LRMX, for ranges of up to 80 m	761401.10
	Reflector set for LRMX, for ranges of up to 100 m	761402.10
	Nano coated reflector for LRMX	761413
	Reflector set for 761400, for ranges of up to 80 m	761411
	Reflector set for 761400 covering distances up to 100 m	761412
	Line Smoke Detector LRMX, nano coated with heating up to 80 m	761421
	Line Smoke Detector LRMX, nano coated with heating up to 100 m	761422



Application example

761400.10

Linear Smoke Detector LRMX



Features

- Motorized detector head
- User-friendly commissioning via automatic self-adjustment
- Disturbance-protected operation via automatic electromechanical tracking of the detector head during building movements
- Optimal access via remote operating unit at eye level
- Clear representation of all states via central indicator display on the operating unit
- High level of protection from moisture for usage under difficult environmental conditions
- Activation and reset via esserbus transponder 808623 during loop operation

Approval: VdS

The linear smoke detector in compliance with EN 54-12 consists of detector, operating and control unit and one prism reflector.


The connection to the esserbus and the resetting is carried out via the esserbus transponder 808623. The connection to a conventional detector zone is carried out via the same transponder Part No. 781332.

This device requires an external voltage supply of 24 V DC for the galvanic separation of D.C. voltage potentials and the voltage converter Part No. 781337 is to be used in order to avoid ground faults.


This device works with the use of a prism reflector at a range from 5 m to 40 m. At larger ranges, the range extender (Part No. 761401.10 and 761402.10) should be used.

Technical Data


Operating voltage	10.2 ... 40 V DC
Current consumption	3 mA (in all operational states)
Range	5 ... 40 m
Ambient temperature	-10 °C ... 55 °C
Air humidity	10 ... 95 % (non-condensing)
Type of protection	IP65
Weight	approx. 2.05 kg
Dimensions	W: 155 mm H: 180 mm D: 137 mm W: 120 mm H: 185 mm D: 62 mm (operating unit) W: 100 mm H: 100 mm D: 9 mm (single prism)

 The LRMX is available on request with built-in heating and front plate with nano coating. Please note that the LRMX with built-in heating has not been VdS-approved!

Please also note: the reflector is no longer included with delivery and must be ordered separately!

 Detector, operating and control unit, 1 prism reflector 10 x 10 cm

Reflectors and Accessories

 The individual reflectors and reflector sets can also be used with the Fireray products. However, please observe the additional planning information in the relevant functional descriptions.

761401.10


Reflector set for LRMX, for ranges of up to 80 m



Metal reflector set for LRMX range extension of up to 80 m.

Technical Data

Range 5 ... 80 m
 Dimensions W: 370 mm H: 370 mm D: 7 mm

 Steel plate; 4 x reflector 761403

761402.10


Reflector set for LRMX, for ranges of up to 100 m




Metal reflector set for range extension of LRMX up to 100 m.

Technical Data

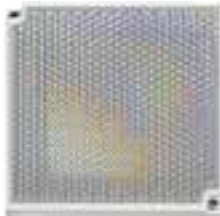
Range 5 ... 100 m
 Dimensions W: 370 mm H: 370 mm D: 7 mm

 Reflector sets also available on request with water-repellent reflectors Part No. 761413 (nano coating) or additional built-in heating.

 Steel plate; 9 x reflector 761403

761403


Single reflector for LRMX



Replacement prism – single reflector for usage with the line smoke detector (Part No. 761400.10).

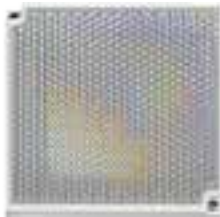
Technical Data

Range 5 ... 40 m
 Dimensions W: 100 mm H: 100 mm

 Reflector sets also available on request with water-repellent surface or additional built-in heating.

761413

Nano coated reflector for LRMX



Reflector sets also available on request with water-repellent surface or additional built-in heating.

761404.10




Ceiling holder for LRMX, for distances from 40 to 70 cm

For better mounting of the line smoke detector (Part No. 761400.10) on walls, girders, ceilings and beams. The ceiling bracket is made of aluminum and can be adjusted in length anywhere from 40 to 70 cm. A high-grade ball joint mounting bracket is located on the top side for easy wall/ceiling mounting. The ceiling bracket is suitable for attaching the mounting plate Part No. 761406.

Technical Data

Weight approx. 2.3 kg

 Ceiling bracket incl. mounting material for the aluminum holder but does not include material for mounting of the holder on ceilings, walls or beams.

Features

- For easy ceiling and wall mounting in compliance with DIN VDE 0833-2
- Optimal alignment of detector and reflectors under difficult ambient conditions via ball joint mounting bracket
- Extendable ceiling bracket for flexible adjustment of length for distances of 400 to 700 mm
- Invisible cable routing inside the ceiling
- Capacity 25 kg
- Swivel hinge approx. 180°
- Ball joint approx. 90° and holding fixture for prism reflector
- RAL 9010 (pure white) surface

761405.10



Ceiling holder for LRMX, for distances from 70 to 150 cm

Same as 761404.10 but extendable for ceiling clearances from 70 to 150 cm.

Technical Data

Weight approx. 3.3 kg

761415

Ceiling holder for LRMX

Same as 761404.10 but 174 mm long rigid design.

Technical Data

Weight approx. 4.3 kg

761406



Mounting plate for ceiling bracket for detector/single reflector

Mounting plate made of aluminum for attaching the line smoke detector Part No. 761400.10 or the prism reflector Part No. 761403 on the ceiling bracket.

761407

Mounting spider for ceiling bracket



Mounting spider for the ceiling brackets (Part No. 761404.10 and 761405.10) for alternative attachment of the reflector sets (Part No. 761401.10 and 761402.10) on the ceiling bracket.

761408

Flush mounted housing for LRMX



For the LRMX, consists of flush mounted tray and vertically adjustable cover plate frame with lockable front door.

Technical Data

Air humidity	< 93 % (non-condensing)
Color	white, similar to RAL 9010
Weight	approx. 2.1 kg
Dimensions	W: 355 mm H: 275 mm D: 145 mm (total)
	W: 290 mm H: 200 mm D: 145 mm (flush mounting)

Features

- Mounting unit for the LRMX with 2 light cone apertures
- 6 pre-stamped cable ducts with predetermined breaking points

761414

Nano detector cover



Detector cover with nano coating for application to the front of the detector prevents steaming up of detector in difficult environments.

Fireray

761315

Fireray 50 RV with 1 prism



Features

- A compact housing
- Maximum range 5 m to 50 m
- Robust construction
- Complies with EN 54-12 standard
- Actuation and resetting is carried out via the esserbus transponder (Part No. 808623) during loop operation

Approval: VdS

The detector consists of an infrared transmitter and receiver. The signal is reflected by a prism and analyzed by the receiving element. Signal reaching the threshold will trigger an alarm.


The actuation on the loop and the resetting function is carried out via the esserbus transponder (Part No. 808623).

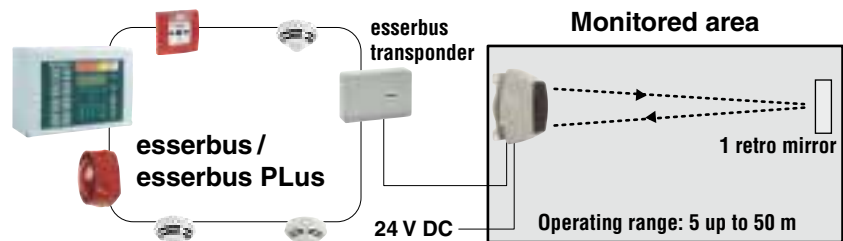
Actuation on a conventional line is carried out via the same transponder. The device requires a separate voltage supply of 24 V DC.

The Fireray is installed about 0.3 to 0.8 m underneath the ceiling and its reflector with the same ceiling distance opposite. There should be no reflecting obstacles in the transmission zone (approx. 2 degrees).

Technical Data

Operating voltage	10.2 ... 30 V DC
Quiescent current @ 24 V DC	approx. 4 mA
Alarm current @ 24 V DC	approx. 15 mA
Contact load	max. 30 V DC / 1 A
Range	5 to 50 m
Ambient temperature	-20 °C ... 55 °C
Storage temperature	-35 °C ... 60 °C
Air humidity	< 93 % (non-condensing)
Type of protection	IP50
Housing	ABS plastic, flame resistant
Color	gray, similar to RAL 7035
Weight	approx. 670 g
Detector specification	EN 54-12
Dimensions	W: 210 mm H: 117 mm D: 120 mm

 1 x Prism (Part No. 761403)



Application example

761316

Fireray 100 RV with 4 prisms



Approval: VdS

The detector consists of the infrared transmitter and receiver. The signal is reflected by a prism and analysed by the receiving element. Signal reaching the threshold will trigger an alarm.

The actuation on the loop and the resetting function is carried out via the esserbus transponder (Part No. 808623).

Actuation on a conventional line is carried out via the same transponder. The device requires a separate voltage supply of 24 V DC.

Features

- One compact housing
- Maximum range 50 m to 100 m
- Robust construction
- Complies with EN 54-12 standard
- Actuation and resetting is carried out via the esserbus transponder (Part No. 808623) during loop operation

The Fireray is installed about 0.3 to 0.8 m underneath the ceiling and its reflector with the same ceiling distance opposite. There should be no reflecting obstacles in the transmission zone (approx. 2 degrees).

Technical Data

Operating voltage	10.2 ... 30 V DC
Quiescent current @ 24 V DC	approx. 4 mA
Alarm current @ 24 V DC	approx. 15 mA
Contact load	max. 30 V DC / 1 A
Range	50 to 100 m
Ambient temperature	-20 °C ... 55 °C
Storage temperature	-35 °C ... 60 °C
Air humidity	< 93 % (non-condensing)
Type of protection	IP 50
Housing	ABS plastic, flame resistant
Color	gray, similar to RAL 7035
Weight	approx. 670 g
Detector specification	EN 54-12
Dimensions	W: 210 mm H: 117 mm D: 120 mm



4 x Prisms (Part No. 761401.10)

FAAST

8100E

NEW



Features

- Wide detection range between 0.0015 % and 20.5 % obs/m
- Five alarm levels (Alert, Action 1 and 2, Fire 1 and 2)
- Maximum Single Pipe Length 120 m
- Maximum Branched Pipe Length 320 m
- Maximum Air Inlet Holes 36 holes
- Automatically adjusts to current environmental conditions to reduce nuisance alarms, Acclimate mode
- Detector combines dual source chamber with a reliable and quick-responding blue LED technology and infra-red laser
- Advanced detection algorithms reject common nuisance conditions
- Ultrasonic and electronic sensing for pipe and chamber air flow measurement
- Patented particle separator and field-replaceable filter
- Integral Ethernet interface enables remote monitoring and e-mail status updates (up to 6 E-Mail addresses)
- Particulate graph displays subtle environmental changes
- Fault indicators provide a broad spectrum of events
- Unique air flow pendulum graph verifies pipe network functionality
- Event Log stores 18.000 events
- PipelQ SW for programming pipe layout, system configuration and ongoing system monitoring
- 8 potential free relays output for connection at FACP
- Loop connection via esserbus-alarm transponder Part. No. 808623

F-A-LC-A

NEW


ASD FAAST 8100E

Approval: G 212002

The FAAST (Fire Alarm Aspiration Sensing Technology®) system is a aspirating smoke detector that draw air into a patented, high-sensitivity smoke-sensing chamber through a pipe network, it delivers highly accurate and discrete early warning fire detection. FAAST's dual vision sensing technology uses a blue LED to detect a wide variety of fires with extremely low concentrations of smoke and an infrared laser to identify nuisances (like dust) which can cause false alarms. Advanced algorithms interpret signals from both sources to meet one single focus. It includes 5 alarm levels, 10 pre-alarm particulate levels and a 10-level airflow pendulum which verifies that air is flowing effectively through the pipe network. The patented particle separator and field-replaceable filter remove contaminants from the pipe-system.

Technical Data

Operating voltage	18 ... 30 V DC
Quiescent current @ 24 V DC	approx. 500 mA
Alarm current @ 24 V DC	approx. 650 mA
Area to be monitored	max. 2000 m ²
Ambient temperature	0 °C ... 38 °C
Sampled Air Temperature	-20 °C ... 60 °C
Air humidity	10 ... 95 % (non-condensing)
Type of protection	IP 30
Housing	Plastic (ABS)
Color	black/gray
Weight	approx. 3.74 kg
Specification	EN 54-20
Dimensions	W: 330 mm H: 337 mm D: 127 mm
Declaration of Performance	DOP 0786-CPD-21130


 Please order separately the corresponding language package, see category accessory!

Accessories

- F-A-LC-A Language package German, French, Italian and Dutch (Netherlands)
- F-A3384-000 FAAST Replacement Air Filter

Language package for ASD 8100E

The language package for Aspirating FAAST 8100E includes the front foils in the languages German, French, Italian and Dutch.

 4 x front foils in the languages German, French, Italian and Dutch (Netherlands)

F-A3384-000

FAAST Replacement Air Filter 8100E

NEW

FAAST Replacement Air Filter for aspirating smoke detector FAAST 8100E.



Aspirating Smoke Detectors

LRS Conventional Technology

761519

LaserFOCUS aspirating system, multilingual



Approval: VdS

Active stand-alone detection system based on laser technology for the early detection of fires in small areas.

The actuation on the loop and the resetting function is carried out via the esserbus transponder (Part No. 808623). Actuation on a conventional line is carried out via the same transponder. The device requires a separate voltage supply of 24 V DC.

Features

- Plug & play function (simple installation and commissioning)
- Laser based smoke detection
- Programmable alarm threshold value
- Two-level air filtering
- Integrated bargraph display
- Integrated debugging function
- Event memory for up to 18,000 events
- Relay output: 3 changeover relays
- Actuation and resetting is carried out via the esserbus transponder (Part No. 808623) during loop operation
- Stand-alone system

Technical Data

Operating voltage	18 ... 30 V DC
Quiescent current @ 24 V DC	approx. 220 mA
Current consumption @ 24 V DC	approx. 245 mA
Alarm current @ 24 V DC	approx. 295 mA
Area to be monitored	max. 250 m ²
Ambient temperature	0 °C ... 40 °C
Air humidity	5 ... 95 % (non-condensing)
Type of protection	IP 30
Weight	approx. 2 kg
Specification	EN 54-20 class A, B, C
Dimensions	W: 255 mm H: 185 mm D: 90 mm

761500

LRS 100 aspirating smoke detector unit, German



Features

- Adjustable sensitivity from 0.005 % / m up to 20 % / m obscuration
- 4 programmable alarm levels (alarm, pre-alarm, fire 1, fire 2)
- All alarm levels can be assigned to a time window from 0 – 60 s to prevent false alarms
- 2 fault levels (maintenance, fault)
- 7 free configurable potential free contacts (30 V DC/1 A)
- Monitoring of filter and air flow to support service
- Event memory up to 18.000 entries
- Day/night operation (different sensitivity levels)
- Connection of up to 4 pipes per detector unit with an overall length of up to 200 m. It is possible to extend the overall length under consideration of the air transport time (100 s according to the VdS)
- Auto learn function to determine the best sensitivity level (the system stays armed during the self learning algorithm)
- Programmable with tools LRS 200 (Part No. 761504) / 210 (Part No. 761505) or with a PC and the PC-interface LRS 300 (Part No. 761506) and Windows® software (Part No. 797595) CD ROM with Software VConfig PRO and ASPIRE (these components are not supplied as standard)
- It is possible to compensate the environmental conditions with a reference detector
- Integration of up to 99 detector systems by the bus system "VESDAnet™"
- The alarm, fault and operation status is shown on the front panel
- Pipe configuration with "ASPIRE" software, with VConfig PRO and ASPIRE
- Actuation and resetting is carried out via the esserbus transponder (Part No. 808623) during loop operation

Approval: VdS

Early fire detection system based on laser technology. The system is optimized for use in the following areas: air conditioned areas (e.g. data processing rooms), laboratories and clean rooms, rooms with valuable things (e.g. museum).

The actuation on the loop and the resetting function is carried out via the esserbus transponder (Part No. 808623).

Actuation on a conventional line is carried out via the same transponder. The device requires a separate voltage supply of 24 V DC.

Technical Data

Operating voltage	18 ... 30 V DC
Current consumption	240 mA to 500 mA
Contact load	30 V DC/1 A
Connection terminal	0,2 ... 2,5 mm ²
Ambient temperature	0 °C ... 39 °C
Air humidity	10 ... 95 % (non-condensing)
Type of protection	IP 30
Housing	metal
Color	gray
Weight	approx. 3.5 kg
Specification	EN 54-20 class A, B, C
Dimensions	W: 350 mm H: 225 mm D: 110 mm

762400

LRS 100 aspirating smoke detector unit, English

Approval: VdS

Same as 761500, but English version.

761502

LRS-S 700 aspirating smoke detector unit, German



Approval: VdS

Same as detector unit LRS 100 (Part No. 761500) but with integrated scanner module and 12 x relay board. Enabling the unit to analyze up to 4 pipes separately. Four different areas can be monitored. This unit has 12 configurable potential-free contacts (10 NO contacts, 2 changeover contacts), instead of 7 in the LRS 100.

Technical Data

Operating voltage	18 ... 30 V DC
Current consumption	240 mA to 500 mA
Contact load	30 V DC/1 A
Connection terminal	0.2 to 2.5 mm ²
Ambient temperature	0 °C ... 39 °C
Air humidity	10 ... 95 % (non-condensing)
Type of protection	IP 30
Housing	metal
Color	gray
Weight	approx. 3.5 kg
Specification	EN 54-20 class A, B, C
Dimensions	W: 350 mm H: 225 mm D: 110 mm

761515

LRS compact, German



Approval: VdS

Active stand-alone early fire detection system using laser technology.

The actuation on the loop and the resetting function is carried out via the esserbus transponder (Part No. 808623) Actuation on a conventional line is carried out via the same transponder. The device requires a separate voltage supply of 24 V DC.

Technical Data

Current consumption	170 ... 190 mA
Contact load	30 V DC/2 A
Connection terminal	0.2 to 2.5 mm ²
Ambient temperature	-10 °C ... 39 °C
Storage temperature	-20 °C ... 60 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 30
Housing	polycarbonate
Color	gray, similar to RAL 7035
Weight	approx. 1.9 kg
Specification	EN 54-20 : 2006
Dimensions	W: 225 mm H: 225 mm D: 85 mm

Features

- Adjustable sensitivity from 0.005 % / m up to 20 % / m obscuration
- 3 programmable alarm thresholds (alarm, pre alarm, main alarm).
- For an increased protection from false alarms, all alarm thresholds can be given a time window of 0 – 60 sec
- 2 fault levels (maintenance, fault)
- 3 potential-free contacts (switching capacity 30 V DC/2 A) consisting of 1 potential-free changeover contact and 2 potential-free switching contacts
- Filter and air stream monitoring for easier maintenance
- Event memory for up to 12,000 events
- For use with an extraction tube with a total length of max. 80m (2 x 50 m)
- Automatic learning function for determining optimum sensitivity level (the units remain operative during this learning phase)
- Adjustments can be made by means of a PC in combination with VConfig PRO and ASPIRE Windows software and a standard interface cable w/o interface (modules are not supplied as standard)
- Main alarm, pre alarm, trouble and operation status are indicated on the front panel
- Actuation and resetting is carried out via the esserbus transponder (Part No. 808623) during loop operation
- Stand-alone system

761516

LRS compact/net, German



Approval: G 298024

Same as 761515, but English version.

Features

- Adjustment by means of programming unit LRS 200 (Part No. 761504) / 210 (Part No. 761505) or PC with PC interface LRS 300 (Part No. 761506) and with Software VConfig PRO and ASPIRE Windows software (modules are not supplied as standard)
- The environmental conditions may be compensated by using an additional reference detector
- Integration of up to 99 detector units via the proprietary "VESDAnet™" bus system
- Indicating and operating panel can be connected via the VESDAnet™ (Part No. 761501, 761507)

Technical Data

Operating voltage	18 ... 30 V DC
Current consumption	170 ... 190 mA
Contact load	30 V DC/2 A
Connection terminal	0.2 to 2.5 mm ²
Ambient temperature	-10 °C ... 39 °C
Storage temperature	-20 °C ... 60 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 30
Housing	polycarbonate
Color	gray, similar to RAL 7035
Weight	approx. 1.9 kg
Specification	EN 54-20 : 2006
Dimensions	W: 225 mm H: 225 mm D: 85 mm

762407

LRS compact/net, English

Approval: VdS

Same as 761516, but English version.

762403

LRS-S 700 aspirating smoke detector unit, English

Approval: VdS

Same as 761502, but English version.

Accessories for LRS Systems

761501

Indicator and operating module LRS 110, German




Approval: VdS

For displaying the current smoke density and the alarm level of the LRS 100 detector unit and the LRS compact/net. In addition, the alarm and fault status are shown by LEDs. Different functions e.g. buzzer off and reset can be controlled via the key pad. The unit is also equipped with 7 freely configurable, floating contacts.

Technical Data

Operating voltage	18 ... 30 V DC
Current consumption	110 ... 130 mA
Connection terminal	ø 0,2 ... 2,5 mm ²
Ambient temperature	0 °C ... 39 °C
Type of protection	IP 30
Housing	metal
Color	gray, similar to RAL 7035
Weight	approx. 1 kg
Dimensions	W: 140 mm H: 150 mm D: 90 mm

 As the LRS compact/net recognizes up to three alarm states, the LEDs for main alarm 1 and main alarm 2 are activated jointly. Programming via interfaced network.

762401

Indicator and operating module LRS 110, English

Approval: VdS

Same as 761501, but English version.

761517

VESDAnet™ connection box



This connection box enables external devices to be connected to the VESDAnet™. For example, a handheld programmer or a PC can be connected in conjunction with the PC interface to program the system.

761506


LRS 300 PC interface



Used as an alternative to the programming unit. All components on the VESDAnet™ can be programmed via the interface.

Technical Data

Current consumption	70 mA
Dimensions	W: 190 mm H: 100 mm D: 40 mm

 The two required connectors are included.

761512

Spare filter for VESDA aspirating smoke systems



Two-stage spare filter for detector units:
 -LRS 100 (Part No. 761500)
 -LRS-S 700 (Part No. 761502)
 -LRS compact (Part No. 761515)
 -LRS compact/net (Part No. 761516)
 -LRS compact/EB (Part No. 801519)
 -LaserFOCUS (Part No. 761519)

Only German version is mentioned above, but all other language versions are included.

761509

Filter for LRS aspirating system



External filter for LRS aspirating system for extremely polluted environments.

Technical Data

Color	gray, similar to RAL 7035
Dimensions	W: 206 mm H: 59 mm D: 33 mm

761514

Replacement filter for 761509



Replacement filter cartridge for air filter Item No. 761509. 1 set consisting of 4 filter cartridges.

Aspirating Smoke Detectors

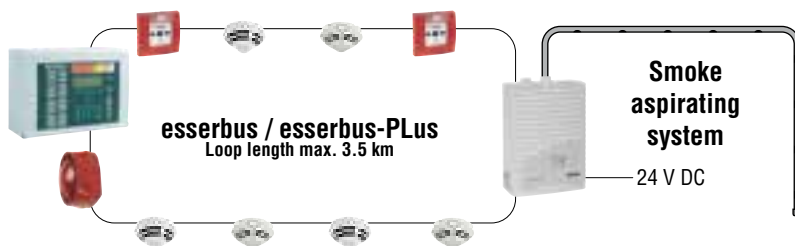
TITANUS PRO SENS® EB/PRO SENS® EB-SL

Features

- Highest application flexibility through modular design
- Fully integrated esserbus device and direct connection to the esserbus/esserbus-Plus (powered loop)
- Programming and commissioning via the FACP (System 8000 / IQ8Control / FlexES)
- Easy commissioning through pre-set system configuration at delivery
- Parameters for response sensitivity can be configured at the detector module
- Up to 180 m duct length per duct
- Up to 24 suction vents
- Two-detector dependency can be set up in compliance with VdS guidelines
- Parallel detector indicator (Part No. 801824) can be connected

New:

- Direct reset via integrated reset function



Type	Pro Sens				TK			Top Sens			TK			Pro Sens SL		
	801515.10	801521.10	801522.10	781521.10	801531.10	801532.10	781531.10	801521.10.SL	801522.10.SL	781531.10.SL						
Part Number																
Manufacturer-configured for operation with one pipe	X	X		X	X		X	X		X		X			X	
Manufacturer-configured for operation with two pipes			X			X						X				
"Info alarm" display at the unit and at the fire alarm panel					X	X	X								X	
"Pre-alarm" display at the unit and at the fire alarm panel					X	X	X								X	
"Fire alarm" display at the unit and at the fire alarm panel	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
"Fault" display at the unit and at the fire alarm panel	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Noise reduced operation												X	X	X		
Bargraph					X	X	X								X	
Plug-and-play commissioning	X															
Direct connection to the esserbus/power loop	X	X	X	X	X	X		X	X		X	X	X	X	X	X
Operating temperature range from -10 °C to +55 °C	X	X	X		X	X		X	X		X	X	X	X	X	X
Operating temperature range from -40 °C to +60 °C				X						X						

Application example

801515.10

Compact unit TITANUS PRO SENS® EB



Approval: VdS


Active system for the early detection of fires. It serves as room and furnishing protection and can be directly connected to the esserbus/powered loop. The compact aspirating smoke detection system TITANUS PRO SENS® EB is completely supplied with detector module DM-TP-50L. Plug & play operation for fast and simple commissioning through pre-programmed standard functions and pre-configured detector modules.


Features

- Fire and fault indication directly at the unit and at the FACP
- Fast commissioning through automatic initializing process and plug & play operation
- Air flow monitoring for detecting pipe burst or tube blocking
- Protection against disturbances when implemented LOGIC SENS function is activated
- Integrated and pre-configured detector module (Part No. 801523.10)

Technical Data

Operating voltage	14 ... 30 V DC
Quiescent current @ 24 V DC	approx. 275 mA at 9 V fan voltage
Contact load relay	30 V DC/1 A max. 24 W
Connection terminal	max. 1.5 mm ²
Ambient temperature	-20 °C ... 60 °C
Storage temperature	-25 °C ... 65 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP20
Housing	ABS plastic
Color	white, similar to RAL 9018
Weight	approx. 1.35 kg
Specification	EN 54-20
Dimensions	W: 200 mm H: 292 mm D: 113 mm

 The previously required isolator and the reset PCB is no longer required to be fitted to this detector and is no longer available to order. The detector is now fitted as standard with the esserbus alarm transponder which incorporates all of the functions for which these devices provided.
Isolator not included with delivery, can be optionally ordered under Part No. 788612.

 Pre-configured TITANUS PRO SENS® EB basic device including esserbus transponder and reset PC board as well as the TITANUS PRO SENS® EB front foil and pre-configured detector module DM-TP-50L.

801521.10

Basic unit TITANUS PRO SENS® EB



Approval: VdS


Basic unit for wall mounting, ready to accommodate a DM-TP-xx detector module. TITANUS PRO SENS® EB can be directly connected to the esserbus/powered loop. The unit is supplied with front foil for single-tube operation.


Features

- Pre-configured for connecting a DM-TP-xx detector module
- Optical status display for alarm and fault indication at the front foil
- Extendable for integrating up to two DM-TP-xx detector modules to connect a second tube
- Ports for two suction tubes with outside diameter of 25 mm
- Port for air return tube

Technical Data

Operating voltage	14 ... 30 V DC
Quiescent current @ 24 V DC	approx. 275 mA at 9 V fan voltage
Contact load relay	30 V DC/1 A max. 24 W
Connection terminal	max. 1,5 mm ²
Ambient temperature	-20 °C ... 60 °C
Storage temperature	-25 °C ... 65 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP20
Housing	ABS plastic
Color	white, similar to RAL 9018
Weight	approx. 1.35 kg
Specification	EN 54-20
Dimensions	W: 200 mm H: 292 mm D: 113 mm

 The previously required isolator and the reset PCB is no longer required to be fitted to this detector and is no longer available to order. The detector is now fitted as standard with the esserbus alarm transponder which incorporates all of the functions for which these devices provided.
Isolator not included with delivery, can be optionally ordered under Part No. 788612.

 Pre-configured basic device including esserbus transponder and reset PC board as well as the front foil.

801521.10.SL

Basic unit TITANUS PRO SENS® EB with silent fan



Features

- Pre-configured for connecting a DM-TP-xx detector module
- Optical status display for alarm and fault indication at the front foil
- Extendable for integrating up to two DM-TP-xx detector modules to connect a second tube
- Ports for two suction tubes with outside diameter of 25 mm
- Port for air return tube

Approval: VdS

Same as 801521.10, but premounted SL fan for operation in noise-sensitive areas. With the SL fan, the operating noise volume of the unit is reduced to a level as low as 23 dB (A) depending on ambient conditions.

Technical Data

Operating voltage	14 ... 30 V DC
Quiescent current @ 24 V DC	approx. 275 mA at 9 V fan voltage
Contact load relay	30 V DC/1 A max. 24 W
Connection terminal	max. 1,5 mm ²
Ambient temperature	-20 °C ... 60 °C
Storage temperature	-25 °C ... 65 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP20
Housing	ABS plastic
Color	white, similar to RAL 9018
Weight	approx. 1.35 kg
Specification	EN54-20
Dimensions	W: 200 mm H: 292 mm D: 113 mm



Pre-configured basic device including esserbus transponder and reset PC board as well as the front foil.

801522.10

Basic unit TITANUS PRO SENS® 2 EB



Features

- Pre-configured for connecting a DM-TP-xx detector module
- Optical status display for alarm and fault indication at the front foil
- Extendable for integrating up to two DM-TP-xx detector modules to connect a second tube
- Ports for two suction tubes with outside diameter of 25 mm
- Port for air return tube

Approval: VdS

Basic unit for wall mounting, ready for receiving up to two detector modules DM-TP-xx. The TITANUS PRO SENS® 2 EB can be directly connected to the esserbus/powerd loop. The device is supplied with front foil for two-tube operation.

Technical Data

Operating voltage	14 ... 30 V DC
Quiescent current @ 24 V DC	approx. 295 mA at 9 V fan voltage
Contact load relay	30 V DC/1 A max. 24 W
Connection terminal	max. 1.5 mm ²
Ambient temperature	-20 °C ... 60 °C
Storage temperature	-25 °C ... 65 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP20
Housing	ABS plastic
Color	white, similar to RAL 9018
Weight	approx. 1.35 kg
Specification	EN 54-20
Dimensions	W: 200 mm H: 292 mm D: 113 mm



The previously required isolator and the reset PCB is no longer required to be fitted to this detector and is no longer available to order. The detector is now fitted as standard with the esserbus alarm transponder which incorporates all of the functions for which these devices provided.

Isolator not included with delivery, can be optionally ordered under Part No. 788612.



Pre-configured basic device including esserbus transponder and reset PC board as well as the front foil.

801522.10.SL



Features

- Pre-configured for connecting a DM-TP-xx detector module
- Optical status display for alarm and fault indication at the front foil
- Extendable for integrating up to two DM-TP-xx detector modules to connect a second tube
- Ports for two suction tubes with outside diameter of 25 mm
- Port for air return tube

Basic unit TITANUS PRO SENS® 2 EB with silent fan

Approval: VdS

Same as 801522.10, but with premounted SL fan for operation in noise-sensitive areas. With the SL-fan, the operating noise of the device drops to 23 dB (A) depending on the environmental conditions.

Technical Data

Operating voltage	14 ... 30 V DC
Quiescent current @ 24 V DC	approx. 295 mA at 9 V fan voltage
Contact load relay	30 V DC/1 A max. 24 W
Connection terminal	max. 1.5 mm ²
Ambient temperature	-20 °C ... 60 °C
Storage temperature	-25 °C ... 65 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP20
Housing	ABS plastic
Color	white, similar to RAL 9018
Weight	approx. 1.35 kg
Specification	EN 54-20
Dimensions	W: 200 mm H: 292 mm D: 113 mm



Pre-configured basic device including esserbus transponder and reset PC board as well as the front foil.

801531.10



Features

- Pre-configured for connecting a DM-TP-xx detector module
- Optical status display for alarm and fault indication at the front foil
- Extendable for integrating up to two DM-TP-xx detector modules to connect a second tube
- Ports for two suction tubes with outside diameter of 25 mm
- Port for air return tube

Basic unit TITANUS TOP SENS® EB

Approval: VdS

Basic unit for wall mounting, ready for receiving a detector module DM-TT-xx. It is provided with three alarm levels for information alarm, pre-alarm and main alarm as well as with a bargraph display to indicate the specific smoke density. The TITANUS PRO SENS® EB can be directly connected to the esserbus/powerd loop. The device is supplied with front foil for single-tube operation.

Technical Data

Operating voltage	14 ... 30 V DC
Quiescent current @ 24 V DC	approx. 260 mA at 9 V fan voltage
Contact load relay	30 V DC/1 A max. 24 W
Connection terminal	max. 1,5 mm ²
Ambient temperature	-20 °C ... 60 °C
Storage temperature	-25 °C ... 65 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP20
Housing	ABS plastic
Color	white, similar to RAL 9018
Weight	approx. 1.35 kg
Dimensions	W: 200 mm H: 292 mm D: 113 mm



The previously required isolator and the reset PCB is no longer required to be fitted to this detector and is no longer available to order. The detector is now fitted as standard with the esserbus alarm transponder which incorporates all of the functions for which these devices provided. Isolator not included with delivery, can be optionally ordered under Part No. 788612.



Pre-configured basic device including esserbus transponder and reset PC board as well as the front foil.

781531.10.SL



Features


- Pre-configured for connecting a DM-TP-xx detector module
- Optical status display for alarm and fault indication at the front foil
- Extendable for integrating up to two DM-TP-xx detector modules to connect a second tube
- Ports for two suction tubes with outside diameter of 25 mm
- Port for air return tube


Basic unit TITANUS TOP SENS® EB 1 with silent fan

Basic unit for wall mounting, ready for receiving a detector module DM-TT-xx. It is provided with three alarm levels for information alarm, pre-alarm and main alarm as well as with a bargraph display to indicate the specific smoke density. The TITANUS PRO SENS® EB can be directly connected to the esserbus / powered loop. The device is supplied with front foil for single-tube operation.

Technical Data

Operating voltage	14 ... 30 V DC
Quiescent current @ 24 V DC	approx. 260 mA at 9 V fan voltage
Contact load relay	30 V DC/1 A max. 24 W
Sound level	approx. 45 dB(A) (with sound absorber part no. 801543)
Connection terminal	max. 1,5 mm ²
Ambient temperature	-20 °C ... 60 °C
Storage temperature	-25 °C ... 65 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP20
Housing	ABS plastic
Color	white, similar to RAL 9018
Weight	approx. 1.35 kg
Dimensions	W: 200 mm H: 292 mm D: 113 mm

 The previously required isolator and the reset PCB is no longer required to be fitted to this detector and is no longer available to order. The detector is now fitted as standard with the esserbus alarm transponder which incorporates all of the functions for which these devices provided.

 Pre-configured basic device including esserbus transponder and reset PC board as well as the front foil.

801532.10



Features

- Pre-configured for usage with two DM-TT-xx detector modules
- Optical status display for information alarm, pre-alarm, main alarm and fault indication
- Integrated bar graph display to optically indicate the current smoke level
- Ports for two suction tubes with an outside diameter of 25 mm
- Port for air return tube
- Possible two-detection-dependency as per VdS directive


Basic unit TITANUS TOP SENS® EB


Approval: VdS

Basic device for wall mounting, pre-configured to receive up to two DM-TT-xx detector modules. The TITANUS PRO SENS® 2 EB is directly connectable to the esserbus/esserbus-PLus. The device is shipped equipped with the front foil for the double tube operation.

Technical Data

Contact load relay	30 V DC/1 A max. 24 W
Connection terminal	max. 1,5 mm ²
Air humidity	< 95 % (non-condensing)
Type of protection	IP 20
Housing	ABS plastic
Color	white, similar to RAL 9018
Weight	approx. 1.35 kg
Dimensions	W: 200 mm H: 292 mm D: 113 mm

 The previously required isolator and the reset PCB is no longer required to be fitted to this detector and is no longer available to order. The detector is now fitted as standard with the esserbus alarm transponder which incorporates all of the functions for which these devices provided. Isolator not included with delivery, can be optionally ordered under Part No. 788612.

 Pre-configured basic device including esserbus transponder and reset PC board as well as the front foil.

Detector Modules for TITANUS PRO SENS® EB

801523.10



Detector module 0.5 %/ m Type DM-TP-50

Detector module for application in Titanus Pro Sens EB aspirating smoke detection systems (Part No. 801515.10, 801521.10, 801522.10) with a response sensitivity of 0.5 % light opacity/m. Early fire detection via HPLS technology. Installation into Titanus Pro Sens EB systems without tools and adjustable via DIL switch on the outside of the detector module. The parameterization option allows sensitivity adjustments for the aspirating smoke detection system.

Technical Data

Ambient temperature	-20 °C ... 60 °C
Housing	ABS plastic
Weight	approx. 100 g

Features

- Response sensitivity adjustable at the module
- Fast commissioning through automatic initial-izing process
- Status display for status and fault diagnosis
- Installation into Titanus Pro Sens EB without tools
- Air flow monitoring for detecting pipe burst and tube blockage

801524.10



Detector module 0.10 %/ m DM-TP-10L

Same as 801523.10, but with raised response sensitivity of 0.10 % light opacity/m.

Technical Data

Housing	ABS plastic
Weight	approx. 100 g

801525.10



Detector module 0.015 %/ m DM-TP-01L

Same as 801524.10, but with raised response sensitivity of 0.015 % light opacity/m.

Technical Data

Housing	ABS plastic
Weight	approx. 100 g

Detector Modules for TITANUS TOP SENS® EB

801533.10

Detector module 0.5 %/ m DM-TT-50L



Detector module for application in Titanus Top Sens aspirating smoke detection systems (Part No. 801531.10, 801532.10) with a response sensitivity of 0.5 % light opacity/m. Early fire detection via HPLS technology. Installation into Titanus Top Sens EB systems without using any tools and adjustable via DIL switch on the outside of the detector module. The parameter setting option allows sensitivity adjustments for the aspirating smoke detection system.

Technical Data

Ambient temperature	-20 °C ... 60 °C
Housing	ABS plastic
Weight	approx. 100 g

801534.10

Detector module 0.10 %/ m DM-TT-10L



Same as 801533.10, but with a raised response sensitivity of 0.10 % light opacity/m.

Technical Data

Ambient temperature	-20 °C ... 60 °C
Housing	ABS plastic
Weight	approx. 100 g

801535.10

Detector module 0.015 %/ m DM-TT-01L



Same as 801534.10 but, with a raised response sensitivity of 0.015 % light opacity/m.

Technical Data

Ambient temperature	-20 °C ... 60 °C
Housing	ABS plastic
Weight	approx. 100 g

Accessories for TITANUS EB

801543.10

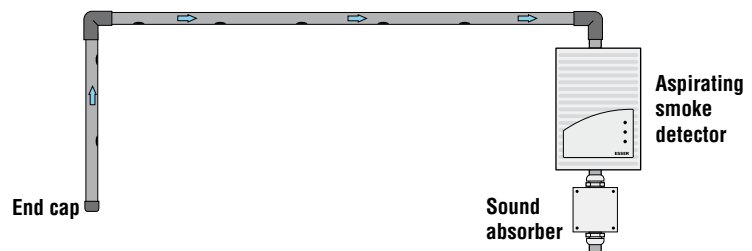
Sound absorber for TITANUS EB



Sound absorber for reducing sound levels in Titanus EB aspirating smoke detection systems for sound-sensitive applications. The sound absorber is connected to the tube outlet and reduces the sound level during operation by up to 10 dB(A). Installation either directly at the air release or with 10 cm maximum distance from the air release.

Technical Data

Application temperature	-30 °C ... 60 °C
Material	ABS plastic
Color	gray, similar to RAL 7035
Weight	approx. 454 g
Dimensions	W: 122 mm H: 194 mm D: 96 mm



Application example

801544.10

Air filter



Air filter for usage in areas with interfering environmental influences e.g. dust.

Technical Data

Application temperature	-30 °C ... 60 °C
Material	ABS plastic
Color	gray, similar to RAL 7035
Dimensions	W: 122 mm H: 194 mm D: 96 mm



Filter cartridges (1 x 60 ppi, 1 x 45 ppi, 1 x 25 ppi)

801604

Replacement air filter pads for 801544



Replacement cartridge for air filters (Part No. 801544), consisting of one fine, medium and coarse filter pad each.



Filter cartridges (1 x 60 ppi, 1 x 45 ppi, 1 x 25 ppi)



1 Set

801600

Microfilter



Special fine filter for use in areas with extreme pollution.

Technical Data

Dimensions	L: 418 mm
------------	-----------

Features

- Filter cartridge filters particles up to a size of 7.5 µm
- Housing resistant to different organic and inorganic chemicals, fuels and hot water

801605

Replacement filter element for 801600



Technical Data

Application temperature	-20 °C ... 60 °C
Material	Polypropylene
Dimensions	Ø: 64 mm L: 254 mm

801540

Device holder for TITANUS EB



Device holder for mounting aspirating smoke detection systems to frames or for self-supporting mounting.

Technical Data

Weight	approx. 1.16 kg
Dimensions	L: 92 mm W: 432 mm

801541


Reset PCB for Titanus EB



PCB for resetting the Titanus Pro Sens EB and the Titanus Top Sens EB aspirating smoke detection system via the FACP.

Technical Data

Current consumption	5 to 50 mA
Dimensions	L: 45 mm W: 57 mm

 Contact your sales representative for additional details.

801542

Back-flow valve for TITANUS EB



Valve for cleaning the tubing system through air purging via compressed air. In systems with air purging, the non-return valve is mounted at the end of the tubing branch and prevents a build-up of dirt particles at the end of the tube.

Technical Data

Color	dark gray
Dimensions	Ø: 25 mm

801547

Front foil TITANUS PRO SENS® EB



Front foil for indicating alarms when using two detector modules.

801548

Front foil TITANUS TOP SENS® EB



Front foil for indicating staged alarm modes and smoke density levels when using two detector modules.

801549

Diagnostics tool for TITANUS EB



Diagnostics tool for Titanus EB aspirating smoke detector systems for reading the measurement data and device configurations as well as for localization of faults.



Diagnostics interface, connecting cable and diagnostic software

Accessories

761520.10

Pipe (ABS), diameter 25 mm



Length = 30 m (each 3 m)

Technical Data

Ambient temperature -40 °C ... 70 °C

 10 pcs

761521.10

90° bend (ABS) for 25 mm pipe



Technical Data

Ambient temperature -40 °C ... 70 °C

 10 pcs

761522.10

90° angle (ABS) for 25 mm pipe



Technical Data

Ambient temperature -40 °C ... 70 °C

 10 pcs

761523.10

45° angle (ABS) for 25 mm pipe



Technical Data

Ambient temperature -40 °C ... 70 °C

 10 Pcs.

761524.10

T-Piece (ABS) for 25 mm pipe



Technical Data

Ambient temperature -40 °C ... 70 °C

 10 pcs

761525.10

Sleeve (ABS) for 25 mm pipe



Technical Data

Ambient temperature -40 °C ... 70 °C

10 Pcs.

761526.10

End cap (ABS) for 25 mm pipe



Technical Data

Ambient temperature -40 °C ... 70 °C

10 pcs

761549

Ceiling lead-through adapter (ABS)



Ceiling lead-through adapter (ABS) for suction hose set (Part No. 761542.10).
Almost invisible integration into false ceilings

761542.10

Suctions hose set for 25 mm pipe

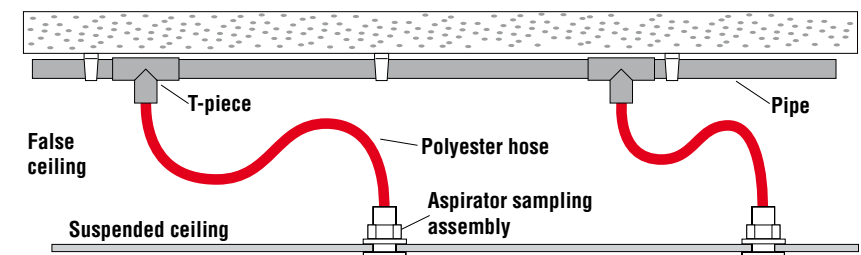


For flexible installation in object surveillance or suspended ceilings.
All components are pre-mounted, but not glued; to enable cut and adaptation on-site.

Technical Data

Dimensions L: 3000 mm

1 x T piece (761524), 3 m corrugated polyester hose, (761543), 1 x ceiling lead-through adapter with threaded joint



Application example: monitoring of room

801607

3-way ball valve (ABS)



For manual disconnection of aspirating smoke detectors from connected piping system during the blow cleaning process with compressed air.

Technical Data

Ambient temperature 0 °C ... 50 °C
Material ABS
Dimensions L: 131 mm

includes three transition screw joints for connection to a 25 mm piping system

801606

Condensate trap for aspirating smoke detectors



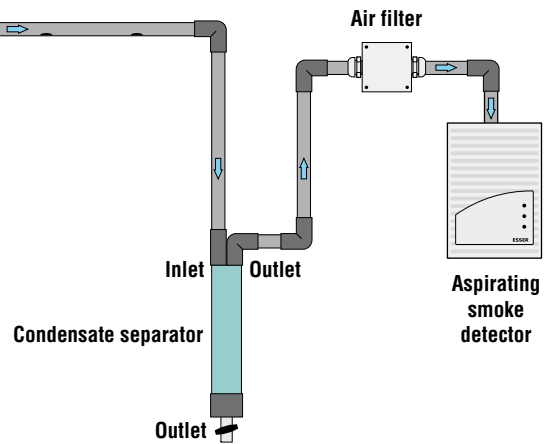
Features

- Plastic housing with manual outlet valve
- Plug connectors for attaching to a piping system

Condensate trap with sintered metal filter for separation and absorption of condensed liquids, used for protecting aspirating smoke detectors including threaded cable connection and mounting bracket.

Technical Data

Ambient temperature	0 °C ... 80 °C
Material	ABS
Color	light gray
Weight	approx. 620 g
Dimensions	W: 68 mm H: 680 mm D: 36 mm



Application example

761535

Adhesive, 0.5 kg can with brush-in-cap



Adhesive for connecting ABS and PVC pipes.

761536

PVC detergent, 1l



Detergent for cleaning ABS and PVC pipes and fittings before gluing.

761537.10

Mounting clip for 25 mm pipe



 100 pcs


761546.10

Pipe cutter for PVC and ABS pipes



Technical Data

Material ABS


 Tool for clean, fast pipe cuts. For thin-walled pipes also, $\varnothing \leq 63 \text{ mm}$ $\varnothing \leq 2"$.


761547

Labels-sampling points wrap round for VESDA ASD



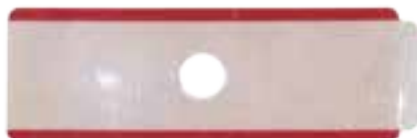
The labels-sampling points wrap round serves for the marking of the intake points of the PVC/ABS pipe.

 Please note the labels-sampling points wrap round are not use for tapering the intake points.

 Roll with 200 labels.

801550

Banderole for aspiration reducing film for Titanus ASD



Banderole for securing aspiration reducing film on the tubing system. The red marking is used for the localization of the detector points in the object.

 10 pcs

Reducing Film Sheets



i Only 10 mm drill necessary
 No annoying whistling
 Defined diameter, easily readable on site
 Finely graduated for optimal flow balance

 10 pcs

801551 **Aspiration reducing film sheet, 2.0 mm**

801552 **Aspiration reducing film sheet, 2.5 mm**

801553 **Aspiration reducing film sheet, 3.0 mm**

801554 **Aspiration reducing film sheet, 3.2 mm**

801555 **Aspiration reducing film sheet, 3.4 mm**

801556 **Aspiration reducing film sheet, 3.6 mm**

801557 **Aspiration reducing film sheet, 3.8 mm**

801558 **Aspiration reducing film sheet, 4.0 mm**

801559 **Aspiration reducing film sheet, 4.2 mm**

801560 **Aspiration reducing film sheet, 4.4 mm**

801561 **Aspiration reducing film sheet, 4.6 mm**

801562 **Aspiration reducing film sheet, 5.0 mm**

801563 **Aspiration reducing film sheet, 5.2 mm**

801564 **Aspiration reducing film sheet, 5.6 mm**

801565 Aspiration reducing film sheet, 6.0 mm

801566 Aspiration reducing film sheet, 6.8 mm

801567 Aspiration reducing film sheet, 7.0 mm



Alarm Devices

Conventional	252-270
Conventional ENscape	271-280
Intelligent Addressable IQ8Alarm	281-291
Remote Indicators	292-293

Audible Alarm Devices

766225

Shallow base sounder, red



Features

- Flat design
- Suitable for 12 and 24 V DC operating voltage
- Low amount of alarm current
- Volume at the unit adjustable

Approval: VdS

The alarm signaling device offers a selection of 32 acoustic signals including the DIN German standard as well as additional country-specific acoustic signals.

The configuration is carried out via a five-pin DIL-switch. Up to two different acoustic signals can be activated.

Technical Data

Operating voltage	9 ... 28 V DC 0.0 ... 0.0
Alarm current @ 12 V DC	approx. 7 mA
Alarm current @ 24 V DC	from 5 mA / max. 32 mA
Starting current	approx. 32 mA
Sound level @ 12 V DC	96 dB(A) (at DIN-Tone)
Sound level @ 24 V DC	103 dB(A)
Ambient temperature	-25 °C ... 70 °C
Type of protection	IP 54 and IP 65 with 766237
Housing	ABS V0
Color	red, similar to RAL 3001
Dimensions	Ø: 93 mm H: 63 mm Ø: 93 mm H: 91 mm (incl. base 766237)



Not suitable for using outside or in humid environments.

See tone table on our download website.

Therefore, please use the optional bases with side cable entry (Part No. 766237).

Replacement: CWSO-RR-S1

Phase out date: 31.12.2014

Accessories

766237 IP 65 base, red

766226

Shallow base sounder, white



Features

- Flat design
- Applicable for 12 and 24 V CC operating voltage
- Low alarm current
- Adjustable audio volume from the device

Approval: VdS

The alarm transmitter offers a sound selection of 32 tones including to the DIN tone as well as further country-specific tones.

The configuration is done via a 5 pin DIL switch. Up to two different tones can be activated.

Technical Data

Operating voltage	9 ... 28 V DC 0.0 ... 0.0
Alarm current @ 12 V DC	approx. 3 mA
Alarm current @ 24 V DC	approx. 5 mA
Starting current	approx. 32 mA
Sound level @ 12 V DC	96 dB(A) (at DIN-Tone)
Sound level @ 24 V DC	103 dB(A)
Ambient temperature	-25 °C ... 70 °C
Type of protection	IP 54 and IP 65 with 766238
Housing	ABS V0
Color	white, similar to RAL 9010
Dimensions	Ø: 93 mm H: 63 mm Ø: 93 mm H: 91 mm (incl. base)



Not suitable for use outdoors or in humid environments.

See tone table on our download website

For this, please use the optional deep base (Part No. 766237 or 766238).

Replacement: CWSO-WW-S1

Phase out date: 31.12.2014

Accessories

766238 IP 65 plate, white

766237

Base with side cable entry, red



For alarm sounder (Part No. 766225), optical signaling devices (Part No. 766410) and combined alarm devices (Part No. 766240, 766420, 766422).

Technical Data

Type of protection	IP 65
Color	red, similar to RAL 3001
Dimensions	Ø: 94 mm H: 47 mm



Rubber seal and two screws

Phase out date: 31.12.2014

766238

Base with side cable entry, white



For alarm sounder (Part No. 766226), optical signaling device (Part No. 766411, 766412, 766413, 766414) and combined alarm devices (Part No. 766421, 766423).

Technical Data

Type of protection	IP 65
Color	white, similar to RAL 9003
Dimensions	Ø: 94 mm H: 47 mm



Rubber seal and two screws

Phase out date: 31.12.2014

766239

Sounder, red



As per DIN 33404 - 3 and EN 457. 32 programmable signaling tones, can be selected via DIL-switch (two tones each), volume control via potentiometer.

Technical Data

Operating voltage	18 ... 28 V DC
Quiescent current @ 24 V DC	approx. 0 mA
Alarm current @ 24 V DC	240 mA with DIN-tone
Sound level @ 24 V DC	112 dB(A)
Ambient temperature	-10 °C ... 55 °C
Storage temperature	-25 °C ... 70 °C
Type of protection	IP 21C
Housing	ABS
Color	red, similar to RAL 3001
Dimensions	W: 108 mm H: 91 mm

Phase out date: 31.12.2014

766261

Signal base, white



Approval: G 206022

Alarm sounder as per DIN 33404, - 3 and EN 457 to be mounted below detector base with relay output for automatic detector series 9x00 and for IQ8Quad; with 28 programmable signaling tones, can be selected via five-pole DIL switch (two tones out of 28 can be programmed), volume control via potentiometer.

Technical Data

Operating voltage	18 ... 28 V DC
Current consumption @ 12 V DC	approx. 5 mA (10 mA for DIN tone)
Current consumption @ 24 V DC	approx. 16 mA (bei DIN-Ton)
Starting current	approx. 30 mA
Sound level @ 12 V DC	102 dB(A) @ 1 m; 87 dB (A) @ DIN tone
Sound level @ 24 V DC	91 dB(A) (for DIN tone, @ 1 m)
Ambient temperature	-40 °C ... 80 °C
Storage temperature	-45 °C ... 85 °C
Type of protection	IP 54
Housing	ABS plastic
Color	white, similar to RAL 9010
Weight	approx. 150 g
Dimensions	Ø: 111 mm H: 26 mm

Phase out date: 31.12.2013

Accessories

766262 Cover plate for signal base

766262


Cover for signal base 766261



For covering the connection when operated without detector.

Technical Data

Color	white, similar to RAL 9010
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 Cover plate and one screw

Phase out date: 31.12.2013

766247

Sounder D/U2-50 P2 12 V



Piezoelectric alarm device with integrated electronics, signaling tone is pulsed.

Technical Data

Operating voltage	6 ... 16 V DC
Current consumption	approx. 17 mA
Sound level	95dB(A) / 1 m
Ambient temperature	-20 °C ... 65 °C
Type of protection	IP20
Housing	ABS
Color	white, similar to RAL 9010
Weight	approx. 135 g
Dimensions	Ø: 93 mm H: 40 mm

Phase out date: Phase-out date: 25.04.2013

Flush mounted Sounder


Features


- 28 signal sounds incl. DIN sound selectable via DIL-switch
- Low power consumption (DIN SOUND 9mA @ 12VDC/15mA @ 24VDC)
- Adjustable volume up to max. 107dB(A), DIN sound 97dB(A)

The electronic multifunctional sounder has been specially adjusted to the commercially available flush mount switch and socket design developed by Merten. Optionally the multifunctional flush mount sounder can be obtained in the Jung, Gira as well as the Busch-Jäger design. When ordering Part No. 766265 the Merten design is supplied as standard; if you wish to order another design, this has to be notified. There are no changes in the price.

Technical Data

Operating voltage	10 ... 28 V DC
Current consumption	5 - 35 mA, depending on the sound frequency
Sound level	83-107 dB / A, depending on sound frequency
Ambient temperature	-10 °C ... 55 °C
Type of protection	IP 54
Housing	ABS
Color	white

 Please note that an EOL-O has to be installed into the last alarm device socket for standards-compliant power monitoring. For installing the EOL-O into the alarm device socket, an additional mounting extension ring is required (Part No. 766269). The sounder is VdS-approved in the Feller design only. See sound table on our download website.

 Pre-assembled flush mounted siren comprises:

- in flush-mounted box 60 x 60mm
- Cover design
- Installation manual

Accessories

- 766269 Installation extension ring for mounting EOL-O
808624 Finishing element EOL-O



766265



Features

- 28 signal sounds incl. DIN sound selectable via DIL-switch
- Low power consumption (DIN SOUND 9 mA @ 12VDC/15 mA @ 24 V DC)
- Adjustable volume up to max. 107dB(A), DIN sound 93 dB(A)


Sounder flush mount, white, design Feller


Approval: G 210090

Sounder in Feller design.

Technical Data

Current consumption	5 - 35 mA, according to sound frequency
Sound level	83 - 107dB/A, according to sound frequency
Housing	ABS
Color	white

 Please note that an EOL-O has to be installed into the last alarm device socket for standards-compliant power monitoring. For installing the EOL-O into the alarm device socket, an additional mounting extension ring is required (Part No. 766269). The sounder is VdS-approved in the Feller design only.

 Pre-assembled flush mounted siren comprises:

- in flush-mounted box 60 x 60mm
- Cover design
- Installation manual

Accessories

- 766269 Installation extension ring for mounting EOL-O
808624 Finishing element EOL-O

766263

Sounder flush mount, white, design Jung LS990**Features**

- 28 signal sounds incl. DIN sound selectable via DIL-switch
- Low power consumption (DIN SOUND 9 mA @ 12VDC/15 mA @ 24 V DC)
- Adjustable volume up to max. 107dB(A), DIN sound 93 dB(A)

Approval: G 210090

Sounder in Jung design type LS990.

Technical Data

Current consumption	5 - 35 mA, according to sound frequency
Sound level	83 - 107dB/A, according to sound frequency
Housing	ABS
Color	white



Please note that an EOL-O has to be installed into the last alarm device socket for standards-compliant power monitoring. To install the EOL-O into the alarm device socket, an additional mounting extension ring is required (Part No. 766269).
The sounder is VdS-approved in the Feller design only.



Pre-assembled flush mounted siren comprises:
- in flush-mounted box 60 x 60mm
- Cover design
- Installation manual

Accessories

766269 Installation extension ring for mounting EOL-O

808624 Finishing element EOL-O

766264

Sounder flush mount, white, design Jung AS500**Features**

- 28 signal sounds incl. DIN sound selectable via DIL-switch
- Low power consumption (DIN SOUND 9 mA @ 12VDC/15 mA @ 24 V DC)
- Adjustable volume up to max. 107dB(A), DIN sound 93 dB(A)

Approval: G 210090

Sounder in Jung design type AS500.

Technical Data

Current consumption	5 - 35 mA, according to sound frequency
Sound level	83 - 107dB/A, according to sound frequency
Housing	ABS
Color	white



Please note that an EOL-O has to be installed into the last alarm device socket for standards-compliant power monitoring. To install the EOL-O into the alarm device socket, an additional mounting extension ring is required (Part No. 766269).
The sounder is VdS-approved in the Feller design only.



Pre-assembled flush mounted siren comprises:
- in flush-mounted box 60 x 60mm
- Cover design
- Installation manual

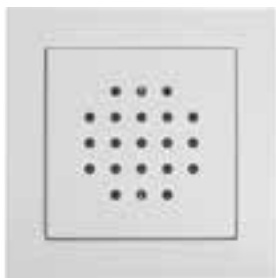
Accessories

766269 Installation extension ring for mounting EOL-O

808624 Finishing element EOL-O

766266

Sounder flush mount, white, design Gira System 55



Features

- 28 signal sounds incl. DIN sound selectable via DIL-switch
- Low power consumption (DIN SOUND 9 mA @ 12VDC/15 mA @ 24 V DC)
- Adjustable volume up to max. 107dB(A), DIN sound 93 dB(A)

Approval: G 210090

Sounder in Gira design.

Technical Data

Current consumption	5 - 35 mA, according to sound frequency
Sound level	83 - 107dB/A, according to sound frequency
Housing	ABS
Color	white



Please note that an EOL-O has to be installed into the last alarm device socket for standards-compliant power monitoring. To install the EOL-O into the alarm device socket, an additional mounting extension ring is required (Part No. 766269). The sounder is VdS-approved in the Feller design only.



Pre-assembled flush mounted siren comprises:
 - in flush-mounted box 60 x 60mm
 - Cover design
 - Installation manual

Accessories

766269 Installation extension ring for mounting EOL-O

808624 Finishing element EOL-O

766267

Sounder flush mount, aluminum, design Gira System 55



Features

- 28 signal sounds incl. DIN sound selectable via DIL-switch
- Low power consumption (DIN SOUND 9 mA @ 12VDC/15 mA @ 24 V DC)
- Adjustable volume up to max. 107dB(A), DIN sound 93 dB(A)

Approval: G 210090

As Art. No. 766266, but in Alu color.

Technical Data

Current consumption	5 - 35 mA, according to sound frequency
Sound level	83 - 107dB/A, according to sound frequency
Housing	ABS
Color	white



Please note that an EOL-O has to be installed into the last alarm device socket for standards-compliant power monitoring. To install the EOL-O into the alarm device socket, an additional mounting extension ring is required (Part No. 766269). The sounder is VdS-approved in the Feller design only.



Pre-assembled flush mounted siren comprises:
 - in flush-mounted box 60 x 60mm
 - Cover design
 - Installation manual

Accessories

766269 Installation extension ring for mounting EOL-O

808624 Finishing element EOL-O

766268

Sounder flush mount, anthracite, design Gira System 55**Approval:** G 210090

As Art. No. 766266, but in Anthracite color.

Technical Data

Current consumption	5 - 35 mA, according to sound frequency
Sound level	83 - 107dB/A, according to sound frequency
Housing	ABS
Color	white

Features

- 28 signal sounds incl. DIN sound selectable via DIL-switch
- Low power consumption (DIN SOUND 9 mA @ 12VDC/15 mA @ 24 V DC)
- Adjustable volume up to max. 107dB(A), DIN sound 93 dB(A)



Please note that an EOL-O has to be installed into the last alarm device socket for standards-compliant power monitoring. To install the EOL-O into the alarm device socket, an additional mounting extension ring is required (Part No. 766269). The sounder is VdS-approved in the Feller design only.



Pre-assembled flush mounted siren comprises:
 - in flush-mounted box 60 x 60mm
 - Cover design
 - Installation manual

Accessories

766269 Installation extension ring for mounting EOL-O

808624 Finishing element EOL-O

Flush mounted Sounder - Accessories

766269

Extension mounting loop for EOL-O

Mounting extension for the use of EOL-O-final element in the flush box. For standards-compliant monitoring, an EOL-O termination element must be installed in the last signal generator of each control output.

Technical Data

Dimensions	Ø: 60 mm H: 12 mm
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Explosion-Proof

045040

Ex signaling device DS10, 12 V DC



Features


- 9 tone sequences can be programmed:
- Continuous tone
- Alternating tone
- Intermittent tone
- Siren
- Fire alarm (different national regulations taken into account)

Approval: VdS (FDT)

The sound generator is especially suitable for hazardous industrial areas (zone 2 and 22). The robust aluminum die-cast housing is resistant to chemicals and environmental factors. The DS10 complies with the technical requirements of DIN 33404 - 3 "hazard signals for workplaces".

Technical Data

Ex-category	II 3GD
Explosion protection	EEx nA II T5
Operating voltage	11 ... 14 V DC 10 V DC
Current consumption @ 12 V DC	approx. 300 mA
Sound level	110 dB (A) +/- 3 dB (A)
Ambient temperature	-25 °C ... 55 °C
Storage temperature	-40 °C ... 70 °C
Air humidity	< 90 % (non-condensing)
Type of protection	IP 66, IP 67
Material	aluminum die cast
Color	red, similar to RAL 3000
Weight	approx. 1.95 kg
Specification	EN 54-3
Dimensions	W: 150 mm H: 150 mm D: 143 mm

 According to the conformity declaration, the alarm devices can be used in zones 2 and 22. See tone table on our download website.

766253

Ex sounder, 12 V DC



Features


- 32 tone sequences can be programmed:
- Quartz controlled sound synchronization
- ATEX approved
- LM6 aluminum die-cast housing
- Self-extinguishing aluminum cone, similar to UL 94 VO

KEMA 99 ATEX 7906 design certificate

The ex sounder is especially suitable for application in hazardous areas at industrial workplaces category 2G or 3G (formerly zones 1 and 2) and complies with the technical requirements of DIN 33404 - 3. The robust aluminum die-cast housing is resistant to chemicals and environmental factors.

Technical Data

EC-type examination certificate	KEMA 99ATEX 7906
Explosion protection	II 2G Ex de IIC T4
Operating voltage	12 V DC
Current consumption	typ. 195 mA;
Current consumption @ 12 V DC	approx. 195 mA
Sound level	110 dB(A) ± 3 dB @ 1 m (depending on signaling type)
Ambient temperature	-50 °C ... 55 °C
Storage temperature	-50 °C ... 70 °C
Air humidity	< 90 % (non-condensing)
Type of protection	IP67
Material	aluminum die cast LM6
Color	red, similar to RAL 3000
Weight	approx. 3.16 kg
Dimensions	Ø: 181 mm L: 263 mm

 According to the conformity declaration, the alarm devices can be used in zones 2 and 22. See tone table on our download website.

Optical Alarm Devices

766303

Flashing light 12 V DC, amber



Technical Data

Operating voltage	12 V DC
Alarm current	350 mA
Frequency of flash	approx. 1 Hz
Lighting energy	approx. 4 J
Ambient temperature	-20 °C ... 50 °C
Storage temperature	-25 °C ... 55 °C
Type of protection	IP54
Housing	ABS plastic
Color	gray, similar to RAL 7035
Weight	approx. 360 g
Dimensions	Ø: 108 mm H: 133 mm



Wall bracket included

766304

Flashing light 24 V DC, amber



Same as 766303, but 24 V DC operating voltage.

Technical Data

Operating voltage	24 V DC
Alarm current	250 mA
Frequency of flash	approx. 1 Hz
Lighting energy	approx. 4 J
Ambient temperature	-20 °C ... 50 °C
Storage temperature	-25 °C ... 55 °C
Type of protection	IP54
Housing	ABS plastic
Color	gray, similar to RAL 7035
Weight	approx. 360 g
Dimensions	Ø: 108 mm H: 133 mm



Wall bracket included

766305

Flashing light 12 V DC, red



Same as 766303, but red.

Technical Data

Operating voltage	12 V DC
Alarm current	350 mA
Frequency of flash	approx. 1 Hz
Lighting energy	approx. 4 J
Ambient temperature	-20 °C ... 50 °C
Storage temperature	-25 °C ... 55 °C
Type of protection	IP 54
Housing	ABS plastic
Color	gray, similar to RAL 7035
Weight	approx. 360 g
Dimensions	Ø: 108 mm H: 133 mm

766306

Flashing light 24 V DC, red



Same as 766303, but 24 V DC operating voltage and red cap.

Technical Data

Operating voltage	24 V DC
Alarm current	250 mA
Frequency of flash	approx. 1 Hz
Lighting energy	approx. 4 J
Ambient temperature	-20 °C ... 50 °C
Storage temperature	-25 °C ... 55 °C
Type of protection	IP 54
Housing	ABS plastic
Color	gray, similar to RAL 7035
Weight	approx. 360 g
Dimensions	Ø: 108 mm H: 133 mm

766307

Flashing light 12 V DC, green

Same as 766303, but green.

Technical Data

Operating voltage	12 V DC
Alarm current	350 mA
Frequency of flash	approx. 1 Hz
Lighting energy	approx. 4 J
Ambient temperature	-20 °C ... 50 °C
Storage temperature	-25 °C ... 55 °C
Type of protection	IP 54
Housing	ABS plastic
Color	gray, similar to RAL 7035
Weight	approx. 360 g
Dimensions	Ø: 108 mm H: 133 mm

766308

Flashing light 24 V DC, green

Same as 766303, but 24 V DC operating voltage and green cap.

Technical Data

Operating voltage	24 V DC
Alarm current	250 mA
Frequency of flash	approx. 1 Hz
Lighting energy	approx. 4 J
Ambient temperature	-20 °C ... 50 °C
Storage temperature	-25 °C ... 55 °C
Type of protection	IP 54
Housing	ABS plastic
Color	gray, similar to RAL 7035
Weight	approx. 360 g
Dimensions	Ø: 108 mm H: 133 mm

766410

Optical alarm signaling device, red**Approval: VdS****Technical Data**

Operating voltage	9 ... 60 V DC
Current consumption @ 24 V DC	approx. 88 mA
Frequency of flash	approx. 1 Hz
Luminous intensity	5 Cd
Application temperature	-25 °C ... 70 °C
Air humidity	< 93 % (non-condensing)
Type of protection	IP 65 with 766237
Material	Base ABS cup PC
Weight	approx. 150 g
Dimensions	Ø: 94 mm H: 92 mm (incl. base)



Not suitable for using outside or in humid environments.
Please use the optional bases with side cable entry (Part No. 766237).

Phase out date: 31.12.2013**Accessories**

- 766237 IP65 base red
- 767800 Mounting bracket


766411

Optical alarm signaling device, amber**Approval: VdS**

Same as 766410, but amber color.

Technical Data

Operating voltage	9 ... 60 V DC
Current consumption @ 24 V DC	approx. 88 mA
Frequency of flash	approx. 1 Hz
Luminous intensity	10 Cd
Application temperature	-25 °C ... 70 °C
Air humidity	< 93 % (non-condensing)
Type of protection	IP21C
Material	base ABS cup PC
Weight	approx. 150 g
Dimensions	Ø: 94 mm H: 67 mm (incl. base)

 Not suitable for using outside or in humid environments.
Please use the optional bases with side cable entry (Part No. 766237).

Phase out date: 31.12.2013**Accessories**

766238 IP65 base white
767800 Mounting bracket


766412

Optical alarm signaling device, green**Approval: VdS**

Same as 766410, but green color.

Technical Data

Operating voltage	9 ... 60 V DC
Current consumption @ 24 V DC	approx. 88 mA
Frequency of flash	approx. 1 Hz
Luminous intensity	10 Cd
Application temperature	-25 °C ... 70 °C
Air humidity	< 93 % (non-condensing)
Type of protection	IP21C
Material	base ABS cup PC
Weight	approx. 150 g
Dimensions	Ø: 94 mm H: 67 mm (incl. base)

 Not suitable for using outside or in humid environments.
Please use the optional bases with side cable entry (Part No. 766237).

Phase out date: 31.12.2013**Accessories**

766238 IP65 base white
767800 Mounting bracket

766413

Optical alarm signaling device, blue

Same as 766410, but blue color and without VdS-Approval.

Technical Data

Operating voltage	9 ... 60 V DC
Current consumption @ 24 V DC	approx. 88 mA
Frequency of flash	approx. 1 Hz
Luminous intensity	7 Cd
Application temperature	-25 °C ... 70 °C
Air humidity	< 93 % (non-condensing)
Type of protection	IP 21C
Material	Base ABS cup PC
Weight	approx. 150 g
Dimensions	Ø: 94 mm H: 67 mm (incl. base)



Not suitable for using outside or in humid environments.
Please use the optional bases with side cable entry (Part No. 766237).

Phase out date: 31.12.2013

Accessories

766238 IP65 base white
767800 Mounting bracket

766414

Optical alarm signaling device, transparent

Approval: VdS

Same as 766410, but transparent color.

Technical Data

Operating voltage	9 ... 60 V DC
Current consumption @ 24 V DC	approx. 88 mA
Frequency of flash	approx. 1 Hz
Luminous intensity	22 Cd
Application temperature	-25 °C ... 70 °C
Air humidity	< 93 % (non-condensing)
Type of protection	IP21C
Material	base ABS cup PC
Weight	approx. 150 g



Not suitable for using outside or in humid environments.
Please use the optional bases with side cable entry (Part No. 766237).

Phase out date: 31.12.2013

Accessories

766238 IP65 base white
767800 Mounting bracket

766420

Optical alarm signaling device EN54-23, red, wall mounting



Features


- EN 54-23 compliant
- Up to 7.5 m room width
- Can be altered to 5 m room width
- LED technology for low energy consumption
- Variable flashing frequency 1 Hz / 0.5 Hz

Approval: G 214067

Optical alarm signaling device EN54-23 for wall mounting. The flash color, white or red, and the flashing frequency, 1 Hz or 0.5 Hz, can be set using the switches. The alarm device is suitable for square rooms of up to 7.5 m in width. For smaller spaces, the device can be switched to a 5 m width to save energy.

Technical Data

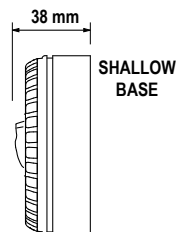
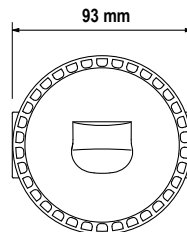
Operating voltage	9 ... 60 V DC
Alarm current @ 24 V DC	10 ... 25 mA
Frequency of flash	approx. 1 Hz/0,5 Hz
Flash color	red
Luminous intensity	35 cd @ 90°
Ambient temperature	-25 °C ... 70 °C
Type of protection	IP21C, IP65 with 766237
Housing	ABS, V0
Installation	Wall
Category wall	W-2,4-7,5 / W-2,1-2,2
Mounting height wall	2.4 m / 2.1 m
Room width	7.5 m/5 m
Color	red, similar to RAL 3001
Weight	approx. 0.1 kg
Dimensions	Ø: 93 mm H: 38 mm Ø: 93 mm H: 66 mm (incl. IP base)

 Not suitable for use outdoors or damp environments. For these, use the optional deep base (Part. No. 766237 or 766238).
Replacement: CWST-RR-S5

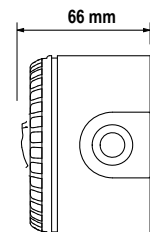
Phase out date: 31.12.2014

Accessories

766237 IP65 base, red



SHALLOW
BASE



DEEP BASE

766421

Optical alarm signaling device EN54-23, white, wall mounting



Features

- EN54-23 compliant
- Up to 7.5 m room width
- Can be altered to 5 m room width
- LED technology for low energy consumption
- Variable flashing frequency 1 Hz/0.5 Hz

Approval: G 214067

Optical alarm signaling device EN54-23 for wall mounting. The flash color, white or red, and the flashing frequency, 1 Hz or 0.5 Hz, can be set using the switches. The alarm device is suitable for square rooms of up to 7.5 m in width. For smaller spaces, the device can be switched to a 5 m width to save energy.

Technical Data

Operating voltage	9 ... 60 V DC
Alarm current @ 24 V DC	10 ... 25 mA
Frequency of flash	approx. 1 Hz/0,5 Hz
Flash color	white
Luminous intensity	35 cd @ 90°
Ambient temperature	-25 °C ... 70 °C
Type of protection	IP21C, IP65 with 766238
Housing	ABS, V0
Installation	Wall
Category wall	W-2,4-7,5 / W-2,2-2,3
Mounting height wall	2.4 m / 2.1 m
Room width	7.5 m/5 m
Color	white, similar to RAL 9010
Weight	approx. 0.1 kg
Dimensions	Ø: 93 mm H: 38 mm Ø: 93 mm H: 66 mm (incl. IP base)



Not suitable for use outdoors or damp environments. For these, use the optional deep base (Part. No. 766237 or 766238).
Replacement: CWST-WW-S5

Phase out date: 31.12.2014

Accessories

766238 IP65 base, white

766422

Optical alarm signaling device EN54-23, red, ceiling mounting



Features

- EN 54-23 compliant
- Up to 7.5 m room diameter
- Can be altered to 5 m room diameter
- LED technology for low energy consumption
- Variable flashing frequency 1 Hz / 0.5 Hz

Approval: G 214069

Optical alarm signaling device compliant with EN54-23 for ceiling mounting. The flash color, white or red, and the flashing frequency, 1 Hz or 0.5 Hz, can be set using the switches. The alarm device is suitable for cylindrical areas of up to 7.3 m in diameter. For smaller spaces, the device can be switched to a 5 m diameter to save energy.

Technical Data

Operating voltage	9 ... 60 V DC
Alarm current @ 24 V DC	10 ... 25 mA
Frequency of flash	approx. 1 Hz/0,5 Hz
Flash color	white/red
Luminous intensity	8 cd @ 0° & 180°
Ambient temperature	-25 °C ... 70 °C
Type of protection	IP 21C, IP 65 with 766237
Housing	ABS, V0
Installation	Ceiling
Category ceiling	C-3-7,3
Mounting height ceiling	3 m
Room diameter	7,3 m/3 m
Color	red, similar to RAL 3001
Weight	approx. 0.1 kg
Dimensions	Ø: 93 mm H: 37 mm Ø: 93 mm H: 65 mm (incl. IP base)

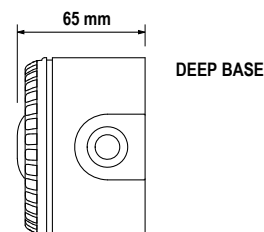
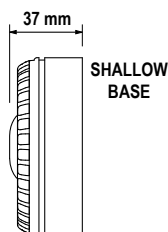
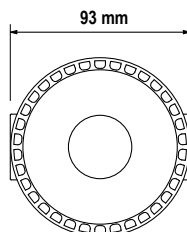


Not suitable for use outdoors or damp environments. For these, use the optional deep base (Part. No. 766237 or 766238).
Replacement: CWST-RR-S5

Phase out date: 31.12.2014

Accessories

766237 IP65 base, red



766423

Optical alarm signaling device EN54-23, white, ceiling mounting



Features

- EN54-23 compliant
- Up to 7.5 m room diameter
- Can be altered to 5 m room diameter
- LED technology for low energy consumption
- Variable flashing frequency 1 Hz/0.5 Hz

Approval: G 214069

Optical alarm signaling device compliant with EN54-23 for ceiling mounting. The flash color, white or red, and the flashing frequency, 1 Hz or 0.5 Hz, can be set using the switches. The alarm device is suitable for cylindrical areas of up to 7.5 m in diameter. For smaller spaces, the device can be switched to a 5 m diameter to save energy.

Technical Data

Operating voltage	9 ... 60 V DC
Alarm current @ 24 V DC	10 ... 25 mA
Frequency of flash	approx. 1 Hz/0,5 Hz
Flash color	white/red
Luminous intensity	8 cd @ 0° & 180°
Ambient temperature	-25 °C ... 70 °C
Type of protection	IP21C, IP65 with 766238
Housing	ABS, V0
Installation	Ceiling
Category ceiling	C-3-7,3
Mounting height ceiling	3 m
Room diameter	7,5 m/5 m
Color	white, similar to RAL 9010
Weight	approx. 0.1 kg
Dimensions	Ø: 93 mm H: 37 mm Ø: 93 mm H: 65 mm (incl. IP base)



Not suitable for use outdoors or damp environments. For these, use the optional deep base (Part. No. 766237 or 766238).
Replacement: CWST-WW-S5

Phase out date: 31.12.2014

Accessories

766238 IP65 base, white

Combined Alarm Devices

766430

Combination signaling device EN54-23, wall mounting, red flash

NEW

Approval: G 214070




Features


- EN 54-23 compliant
- Up to 7.5 m width of the room
- Switchable to 2.2 m room width
- LED technology for low energy consumption
- Selectable flash rate of 1 Hz/0.5 Hz

Combined acoustic and optical signal generator acc. EN 54-23 for wall mounting with red flash color. The optical signal generator is suitable for square rooms up to 7.5 meters wide. The acoustic signaling device Part. No. 766225 is not included in shipment. The flash frequency, 1 Hz or 0.5 Hz, as well as the room size, 7.5 m or 2.2 m, can be set by switch (for example, to save energy).

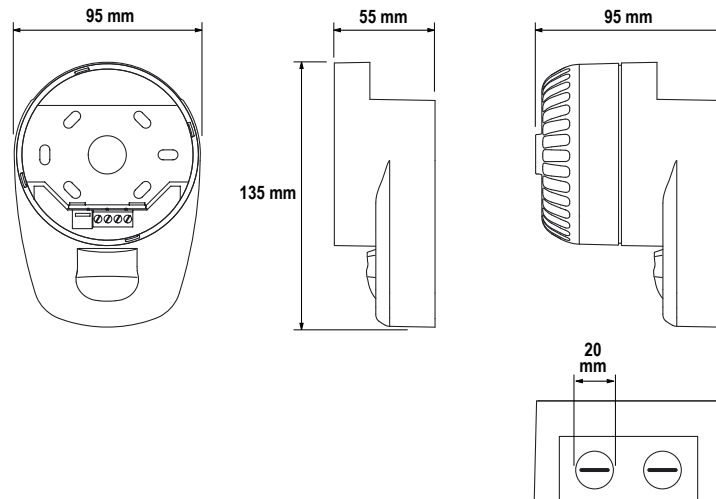
Technical Data

Operating voltage	9 ... 60 V DC
Alarm current	22 ... 37 mA (depending on settings)
Frequency of flash	approx. 1 Hz/0,5 Hz
Flash color	red
Luminous intensity	35 cd @ 90°
Ambient temperature	-25 °C ... 70 °C
Type of protection	IP 65, Typ A & B
Housing	ABS, V0
Installation	Wall
Category wall	W-2,4-7,5 / W-2,1-2,2
Mounting height wall	2.4 m / 2.1 m
Room width	7.5 m/5 m
Color	red, similar to RAL 3001
Weight	approx. 0.2 kg
Dimensions	W: 95 mm H: 135 mm D: 95 mm (with sounder)

 Replacement: CWSS-RR-S5

 Acoustic signaling device Part. No. 766225 not included in shipment

Phase out date: 31.12.2014



766431

Combination signaling device EN 54-23, wall mounting, white flash**NEW****Features**

- EN 54-23 compliant
- Up to 7.5 m width of the room
- Switchable to 2.5 m width of the room
- LED technology for low energy consumption
- Selectable flash rate of 1 Hz/0.5 Hz

Approval: G 214070

Combined acoustic and optical signaling device acc. EN 54-23 for wall mounting with a white color flash. The optical signaling device is suitable for square rooms up to 7.5 square meters wide. The acoustic signal device Part. No. 766226 is not included in shipment. The flash frequency, 1 Hz or 0.5 Hz, as well as the room size, 7.5 m or 2.5 m, can be set by switch, e.g., for saving energy.

Technical Data

Operating voltage	9 ... 60 V DC
Alarm current	22 ... 37 mA (depending on settings)
Frequency of flash	approx. 1 Hz/0,5 Hz
Flash color	white
Luminous intensity	35 cd @ 90°
Ambient temperature	-25 °C ... 70 °C
Type of protection	IP 65, Typ A & B
Housing	ABS, V0
Installation	Wall
Category wall	W-2,4-7,5 / W-2,2-2,3
Mounting height wall	2.4 m / 2.1 m
Room width	7.5 m/5 m
Color	white, similar to RAL 9010
Weight	approx. 0.2 kg
Dimensions	W: 95 mm H: 135 mm D: 95 mm (with sounder)



Replacement: CWSS-WW-S5



Acoustic signaling device Part. No. 766226 not included in shipment

Phase out date: 31.12.2014

766240

Combined alarm device 12 V DC, red

Alarm device as per DIN 33404-3 and EN 457.

For indoor and outdoor installation (with Part No. 766237). Alarm sounder and flashing light may be activated separately. Floating tone going by 1 HZ beat between 1200 and 500 HZ (DIN tone).

Technical Data

Operating voltage	9 ... 15 V DC
Alarm current @ 12 V DC	approx. 101 mA (flash lamp)
Sound level @ 12 V DC	94 dB(A)
Sound level @ 24 V DC	98 dB(A)
Frequency of flash	approx. 1 Hz
Lighting energy	0.7 J
Luminous intensity	10 cd
Ambient temperature	-10 °C ... 55 °C
Storage temperature	-15 °C ... 60 °C
Air humidity	< 93 % (non-condensing)
Type of protection	IP 54, IP 65 (with 766237 without clips)
Material	ABS plastic (UV-stabilized)
Color	red, similar to RAL 3001
Weight	approx. 350 g
Dimensions	Ø: 93 mm H: 92 mm Ø: 93 mm H: 120 mm (incl. base)



Also available with cable entry at the side, possible with Part No. 766237 (see accessories). See tone table in the appendix.

Phase out date: 31.12.2013**Accessories**

- 766237 IP65 base red
- 767800 Mounting bracket

766240.10

Combined alarm device, 24 V DC, red, Asserta type

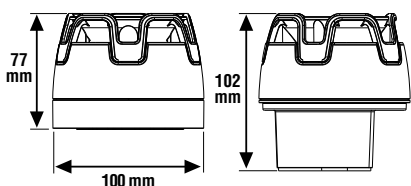
Asserta sounder beacon is designed to cope with harsh environments requiring protection to IP 66 and is compliant to EN 54-3. 32 different alarm tones can be selected with 2 stage alarms. Alarm sounder and flashing light may be activated separately.

Technical Data

Operating voltage	9 ... 60 V DC
Alarm current @ 24 V DC	approx. 0 mA
Frequency of flash	Flashing lights about 230 mA, sirens about 40 mA)
Lighting energy	approx. 1 Hz
Ambient temperature	2.5 J
Air humidity	-25 °C ... 75 °C
Type of protection	< 93 % (non-condensing)
Material	IP66
Color	ABS plastic (UV-stabilized)
Weight	red, similar to RAL 3001
Dimensions	approx. 800 g
	W: 174 mm H: 165 mm D: 132 mm

CWSO-RR-S1

NEW



Features

- EN 54-3 compliant
- Suitable for 12 V and 24 V DC service voltage
- Synchronous sound trigger
- Volume adjustable to 2 levels at the device


Optical alarm signaling device, red


Approval: requested

The acoustic alarm signaling device is EN 54-3 compliant, in red housing, and offers a selection of 32 signal tones including the DIN tone and other country-specific tones. All tones comply with EN 54-3. Configuration takes place via a 6-pin DIP switch. Up to two different signal tones may be activated. Signaling device with flat base, suitable for wall and ceiling mounting.

Technical Data

Operating voltage	9 ... 29 V DC
Current consumption @ 12 V DC	approx. 14.9 mA (@ DIN tone)
Current consumption @ 24 V DC	approx. 33.4 mA (@ DIN tone)
Sound level @ 12 V DC	96.2 dB(A) (@ DIN tone)
Sound level @ 24 V DC	102.1 dB(A) (@ DIN tone)
Connection terminal	0.5 ... 2.5 mm ²
Ambient temperature	-25 °C ... 70 °C
Air humidity	< 96 % (non-condensing)
Type of protection	IP 21C, IP 65 with CWR and accessories
Material	PC/ABS, UL94-V0
Color	red, similar to RAL 3020
Weight	approx. 190 g
Specification	EN 54-3 acoustic signaling device
Dimensions	Ø: 100 mm H: 77 mm Ø: 100 mm H: 102 mm (incl. IP base)

 Not suitable for use outdoors or in damp areas. Please use therefore the optional bases and accessories (Part No. CWR, PS188, PS189). Use of the deep IP socket reduces the dB output by an average of 4 dB. Replacement for Part No. 766225. To help define your conventional Visual Alarm Devices (VADs) requirements in line with the EN 54-23 standard, we have developed an easy to use online guide. Simply enter the room dimensions and ambient light conditions and the guide will help your device selection: <http://www.kac.co.uk/EN54-device-chooser.htm>

 Available End Q1/2015

Accessories

766472R Base IP 65 for Sounder with low profile, red

CWSO-WW-S1

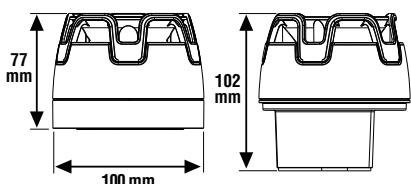
Optical alarm signaling device, white

NEW



Approval: requested

The acoustic alarm signaling device is EN 54-3 compliant, in white housing, and offers a selection of 32 signal tones including the DIN tone and other country-specific tones. All tones comply with EN 54-3. Configuration takes place via a 6-pin DIP switch. Up to two different signal tones may be activated. Signaling device with flat base, suitable for wall and ceiling mounting. To help define your conventional Visual Alarm Devices (VADs) requirements in line with the EN 54-23 standard, we have developed an easy to use online guide. Simply enter the room dimensions and ambient light conditions and the guide will help your device selection: <http://www.kac.co.uk/EN54-device-chooser.htm>





Features

- EN 54-3 compliant
- Suitable for 12 V and 24 V DC service voltage
- Synchronous sound trigger
- Volume adjustable to 2 levels at the device

Technical Data

Operating voltage	9 ... 29 V DC
Current consumption @ 12 V DC	approx. 14.9 mA (@ DIN tone)
Current consumption @ 24 V DC	approx. 33.4 mA (@ DIN tone)
Sound level @ 12 V DC	96.2 dB(A) (@ DIN tone)
Sound level @ 24 V DC	102.1 dB(A) (@ DIN tone)
Ambient temperature	-25 °C ... 70 °C
Air humidity	< 96 % (non-condensing)
Type of protection	IP 21C, IP65 with CWW and accessories
Material	PC/ABS, UL94-V0
Color	white, similar to RAL 9003
Weight	approx. 190 g
Specification	EN 54-3 acoustic signaling device
Dimensions	Ø: 100 mm H: 77 mm Ø: 100 mm H: 102 mm (incl. IP base)

 Not suitable for use outdoors or in damp areas. Please use therefore the optional bases and accessories (Part No. CWR, PS188, PS189). Use of the deep IP socket reduces the dB output by an average of 4 dB. Replacement for Part No. 766226.

 Available End Q1/2015

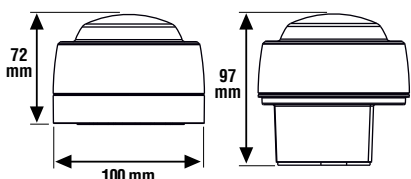
Accessories

- CWW Base deep IP 65, white
- PS188 Base deep, O-Ring
- PS189 Base deep, seal

CWST-RR-S5

Optical alarm signaling device EN 54-23 cat. W+C, red flash

NEW



Features

- EN 54-23 compliant
- C & W category
- Synchronous flash trigger
- Up to 6.2 m room width for wall mounting
- Up to 9.4 m room diameter for ceiling mounting


Approval: requested


Optical signaling device compliant with EN 54-23 for wall and ceiling mounting with red lamp color and flat base. The signaling device is suitable for square signal ranges W-2.4-6.2 and cylindrical signal ranges C-3-9.4 / C-6-8.2.

To help define your conventional Visual Alarm Devices (VADs) requirements in line with the EN54-23 standard, we have developed an easy to use online guide. Simply enter the room dimensions and ambient light conditions and the guide will help your device selection:
<http://www.kac.co.uk/EN54-device-chooser.htm>

Technical Data

Operating voltage	12 ... 29 V DC
Current consumption @ 24 V DC	approx. 37 mA (@ DIN tone)
Frequency of flash	approx. 0.5 Hz
Flash color	red
Connection terminal	0.5 ... 2.5 mm ²
Ambient temperature	-25 °C ... 70 °C
Air humidity	< 96 % (non-condensing)
Type of protection	IP 21C, IP 65 with CWR and accessories
Material	PC/ABS, UL94-V0
	PC, UL94-V0 (Lens)
Category wall	W-2,4-6,2
Mounting height wall	2.4 m
Room width	6.2 m
Category ceiling	C-3-9,4 / C-6-8,2
Mounting height ceiling	3 m / 6 m
Room diameter	9,4 m / 8,2 m
Color	base red, similar to RAL 3020
	cap: transparent
Weight	approx. 164 g
Specification	EN 54-23 optical signaling device
Dimensions	Ø: 100 mm H: 72 mm
	Ø: 100 mm H: 97 mm (incl. IP base)

 Not suitable for use outdoors or in damp areas. Please use therefore the optional bases and accessories (Part No. CWR, PS188, PS189). Replacement for Part No. 766420, 766422, 766410.

 Available End Q1/2015

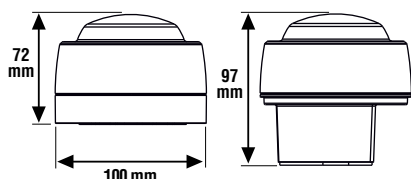
Accessories

- CWR Base deep IP 65, red
- PS188 Base deep, O-Ring
- PS189 Base deep, seal

CWST-WW-S5

Optical alarm signaling device, EN 54-23 cat. W+C, white flash

NEW



Features

- EN 54-23 compliant
- C & W category
- Synchronous flash trigger
- Up to 9.0 m room width for wall mounting
- Up to 9.5 m room diameter for ceiling mounting


Approval: requested


Optical signaling device compliant with EN 54-23 for wall and ceiling mounting with white lamp color and flat base. The signaling device is suitable for square signal ranges W-2.4-9.0 and cylindrical signal ranges C-3-9.5 / C-6-9.5 / C-9-9.5.

To help define your conventional Visual Alarm Devices (VADs) requirements in line with the EN54-23 standard, we have developed an easy to use online guide. Simply enter the room dimensions and ambient light conditions and the guide will help your device selection:
<http://www.kac.co.uk/EN54-device-chooser.htm>

Technical Data

Operating voltage	12 ... 29 V DC
Current consumption @ 24 V DC	approx. 37 mA (@ DIN tone)
Frequency of flash	approx. 0.5 Hz
Flash color	white
Ambient temperature	-25 °C ... 70 °C
Air humidity	< 96 % (non-condensing)
Type of protection	IP 21C, IP 65 with CWW and accessories
Material	PC/ABS, UL94-V0 PC, UL94-V0 (Lens)
Category wall	W-2,4-9,0
Mounting height wall	2.4 m
Room width	9 m
Category ceiling	C-3-9,5 / C-6-9,5 / C-9-9,5
Mounting height ceiling	3 m / 6 m / 9 m
Room diameter	9,5 m
Color	base: white, similar to RAL 9003 cap: transparent
Weight	approx. 164 g
Specification	EN 54-23 optical signaling device
Dimensions	Ø: 100 mm H: 72 mm Ø: 100 mm H: 97 mm (incl. IP base)

 Not suitable for use outdoors or in damp areas. Please use therefore the optional bases and accessories (Part No. CWR, PS188, PS189). Replacement for Part No. 766421, 766423, 766414.

 Available End Q1/2015

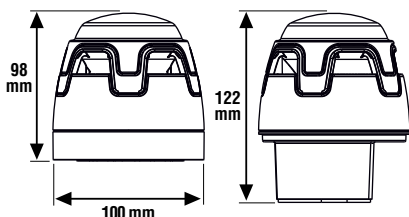
Accessories

- CWW Base deep IP 65, white
- PS188 Base deep, O-Ring
- PS189 Base deep, seal

CWSS-RR-S5

Combination signaling device EN 54-23 cat. W+C, red flash

NEW



Features


- EN 54-3 and 54-23 compliant
- Synchronous sound and flash trigger
- Volume adjustable to 2 levels at the device
- C & W category
- Signal range up to 6.0 m room width for wall mounting
- Signal range up to 8.9 m room diameter for ceiling mounting


Approval: requested

Combined acoustic and optical alarm signaling device is EN 54-3 & EN 54-23 compliant, in red housing, and offers a selection of 32 signal tones including the DIN tone and other country-specific tones. All tones comply with EN 54-3. Tone configuration takes place via a 6-pin DIP switch. Up to two different signal tones may be activated. The optical signaling device with red signal lamp is suitable in accordance with EN 54-23 for square signal ranges W-2.4-6.0 and cylindrical signal ranges C-3-8.9 / C-6-8.2. Signaling device with flat base, suitable for wall and ceiling mounting. To help define your conventional Visual Alarm Devices (VADs) requirements in line with the EN54-23 standard, we have developed an easy to use online guide. Simply enter the room dimensions and ambient light conditions and the guide will help your device selection: <http://www.kac.co.uk/EN54-device-chooser.htm>

Technical Data

Operating voltage	12 ... 29 V DC
Current consumption @ 12 V DC	approx. 63.9 mA (@ DIN tone)
Current consumption @ 24 V DC	approx. 69.9 mA (@ DIN tone)
Sound level @ 12 V DC	97 dB(A) (@ DIN tone)
Sound level @ 24 V DC	102.7 dB(A) (@ DIN tone)
Frequency of flash	approx. 0.5 Hz
Flash color	red
Connection terminal	0.5 ... 2.5 mm ²
Ambient temperature	-25 °C ... 70 °C
Air humidity	< 96 % (non-condensing)
Type of protection	IP 21C, IP 65 with CWW and accessories
Material	PC/ABS, UL94-V0
Category wall	W-2,4-6,0
Mounting height wall	2.4 m
Room width	6 m
Category ceiling	C-3-8,9 / C-6-8,2
Mounting height ceiling	3 m / 6 m
Room diameter	8,9 m / 8,2 m
Color	red, similar to RAL 3020
	cap: transparent
Weight	approx. 248 g
Specification	EN 54-3 acoustic signaling device EN 54-23 optical signaling device
Dimensions	Ø: 100 mm H: 98 mm Ø: 100 mm H: 122 mm (incl. IP base)

 Not suitable for use outdoors or in damp areas. Please use therefore the optional bases and accessories (Part No. CWR, PS188, PS189). Use of the deep IP socket reduces the dB output by an average of 4 dB. Replacement for Part No. 766430.

 Available End Q1/2015

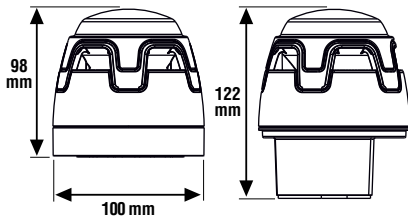
Accessories

- CWR Base deep IP 65, red
- PS188 Base deep, O-Ring
- PS189 Base deep, seal

CWSS-WW-S5

Combination signaling device EN 54-23 cat. W+C, white flash

NEW



Features


- EN 54-3 and 54-23 compliant
- Synchronous sound and flash trigger
- Volume adjustable to 2 levels at the device
- C & W category
- Signal range up to 8.9 m room width for wall mounting
- Signal range up to 10.0 m room diameter for ceiling mounting


Approval: requested

Combined acoustic and optical alarm signaling device is EN 54-3 & EN 54-23 compliant, in white housing, and offers a selection of 32 signal tones including the DIN tone and other country-specific tones. All tones comply with EN 54-3. Tone configuration takes place via a 6-pin DIP switch. Up to two different signal tones may be activated. The optical signaling device with white signal lamp is suitable in accordance with EN 54-23 for square signal ranges W-2.4-8.9 and cylindrical signal ranges C-3-10 / C-6-10. Signaling device with flat base, suitable for wall and ceiling mounting. To help define your conventional Visual Alarm Devices (VADs) requirements in line with the EN54-23 standard, we have developed an easy to use online guide. Simply enter the room dimensions and ambient light conditions and the guide will help your device selection: <http://www.kac.co.uk/EN54-device-chooser.htm>

Technical Data

Operating voltage	12 ... 29 V DC
Current consumption @ 12 V DC	approx. 63.9 mA (@ DIN tone)
Current consumption @ 24 V DC	approx. 69.9 mA (@ DIN tone)
Sound level @ 12 V DC	97 dB(A) (@ DIN tone)
Sound level @ 24 V DC	102.7 dB(A) (@ DIN tone)
Frequency of flash	approx. 0.5 Hz
Flash color	white
Ambient temperature	-25 °C ... 70 °C
Air humidity	< 96 % (non-condensing)
Type of protection	IP 21C, IP 65 with CWW and accessories
Material	PC/ABS, UL94-V0
Category wall	W-2,4-8,9
Mounting height wall	2.4 m
Room width	8.9 m
Category ceiling	C-3-10 / C-6-10
Mounting height ceiling	3 m / 6 m
Room diameter	10 m / 10 m
Color	white, similar RAL 9003 cap: transparent
Weight	approx. 248 g
Specification	EN 54-3 acoustic signaling device EN 54-23 optical signaling device
Dimensions	Ø: 100 mm H: 98 mm Ø: 100 mm H: 122 mm (incl. IP base)

 Not suitable for use outdoors or in damp areas. Please use therefore the optional bases and accessories (Part No. CWR, PS188, PS189). Use of the deep IP socket reduces the dB output by an average of 4 dB. Replacement for Part No. 766431.

 Available End Q1/2015

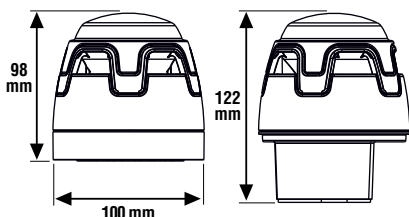
Accessories

- CWW Base deep IP 65, white
- PS188 Base deep, O-Ring
- PS189 Base deep, seal

CWSS-RW-S5

Combination signaling device EN 54-23 cat. W+C, white flash

NEW



Features


- EN 54-3 and 54-23 compliant
- Synchronous sound and flash trigger
- Volume adjustable to 2 levels at the device
- C & W category
- Signal range up to 8.9 m room width for wall mounting
- Signal range up to 10.0 m room diameter for ceiling mounting


Approval: requested

Combined acoustic and optical alarm signaling device is EN 54-3 & EN 54-23 compliant, in red housing, and offers a selection of 32 signal tones including the DIN tone and other country-specific tones. All tones comply with EN 54-3. Tone configuration takes place via a 6-pin DIP switch. Up to two different signal tones may be activated. The optical signaling device with white signal lamp is suitable in accordance with EN 54-23 for square signal ranges W-2.4-8.9 and cylindrical signal ranges C-3-10 / C-6-10. Signaling device with flat base, suitable for wall and ceiling mounting. To help define your conventional Visual Alarm Devices (VADs) requirements in line with the EN54-23 standard, we have developed an easy to use online guide. Simply enter the room dimensions and ambient light conditions and the guide will help your device selection: <http://www.kac.co.uk/EN54-device-chooser.htm>

Technical Data

Operating voltage	12 ... 29 V DC
Current consumption @ 12 V DC	approx. 63.9 mA (@ DIN tone)
Current consumption @ 24 V DC	approx. 69.9 mA (@ DIN tone)
Sound level @ 12 V DC	97 dB(A) (@ DIN tone)
Sound level @ 24 V DC	102.7 dB(A) (@ DIN tone)
Frequency of flash	approx. 0.5 Hz
Flash color	white
Ambient temperature	-25 °C ... 70 °C
Air humidity	< 96 % (non-condensing)
Type of protection	IP 21C, IP 65 with CWR and accessories
Material	PC/ABS, UL94-V0
Category wall	W-2,4-8,9
Mounting height wall	2.4 m
Room width	8.9 m
Category ceiling	C-3-10 / C-6-10
Mounting height ceiling	3 m / 6 m
Room diameter	10 m / 10 m
Color	red, similar RAL 3020 cap: transparent
Weight	approx. 248 g
Specification	EN 54-3 acoustic signaling device EN 54-23 optical signaling device
Dimensions	Ø: 100 mm H: 98 mm Ø: 100 mm H: 122 mm (incl. IP base)

 Not suitable for use outdoors or in damp areas. Please use therefore the optional bases and accessories (Part No. CWR, PS188, PS189). Use of the deep IP socket reduces the dB output by an average of 4 dB.

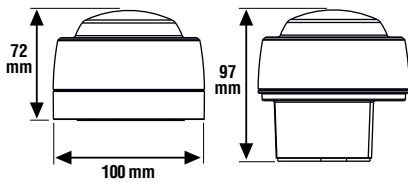
 Available End Q1/2015

Accessories

- CWR Base deep IP 65, red
- PS188 Base deep, O-Ring
- PS189 Base deep, seal

CWST-WA-S7

NEW



Features

- Flat design
- Synchronous flash trigger
- Low alarm power

Optical alarm signaling device, yellow flash

Optical display device for wall and ceiling mounting with yellow signal flash and flat base. The device does not comply with EN 54-23.

To help define your conventional Visual Alarm Devices (VADs) requirements in line with the EN54-23 standard, we have developed an easy to use online guide. Simply enter the room dimensions and ambient light conditions and the guide will help your device selection:
<http://www.kac.co.uk/EN54-device-chooser.htm>

Technical Data

Operating voltage	12 ... 29 V DC
Current consumption @ 24 V DC	approx. 3 mA (@ DIN tone)
Frequency of flash	approx. 0.5 Hz
Flash color	yellow
Ambient temperature	-25 °C ... 70 °C
Air humidity	< 96 % (non-condensing)
Type of protection	IP 21C, IP 65 with CWW and accessories
Material	PC/ABS, UL94-V0 PC, UL94-V0 (Lens)
Color	base: white, similar RAL 9003 cap: amber
Weight	approx. 164 g
Dimensions	Ø: 100 mm H: 72 mm Ø: 100 mm H: 97 mm (incl. IP base)



Not suitable for use outdoors or in damp areas. Please use therefore the optional bases and accessories (Part No. CWW, PS188, PS189). Replacement for Part No. 766411.



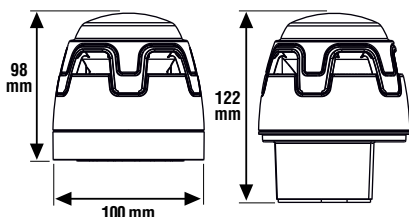
Available End Q1/2015

Accessories

- CWW Base deep IP 65, white
- PS188 Base deep, O-Ring
- PS189 Base deep, seal

CWSS-RR-S3

NEW



Features

- EN 54-3 compliant
- Cat. O under EN 54-23
- Synchronous sound and flash trigger
- Volume adjustable to 2 levels at the device
- Suitable for wall and ceiling mounting

Combination signaling device EN 54-3, red flash

Combined acoustic alarm signaling device is EN 54-3 compliant with additional optical display, in red housing, and offers a selection of 32 signal tones including the DIN tone and other country-specific tones. All tones comply with EN 54-3. Tone configuration takes place via a 6-pin DIP switch. Up to two different signal tones may be activated. Signaling device with flat base, suitable for wall and ceiling mounting.

The integrated optical display with red signal flash is only authorized under EN 54-23 in open category O for 24–29 V DC operating voltage. Below 24 V DC, the device is classified as an acoustic signaling device with additional display. To help define your conventional Visual Alarm Devices (VADs) requirements in line with the EN54-23 standard, we have developed an easy to use online guide. Simply enter the room dimensions and ambient light conditions and the guide will help your device selection:
<http://www.kac.co.uk/EN54-device-chooser.htm>.

Technical Data

Operating voltage	12 ... 29 V DC
Current consumption @ 12 V DC	approx. 15.5 mA (@ DIN tone)
Current consumption @ 24 V DC	approx. 35.4 mA (@ DIN tone)
Sound level @ 12 V DC	96.5 dB(A) (@ DIN tone)
Sound level @ 24 V DC	102.5 dB(A) (@ DIN tone)
Frequency of flash	approx. 0.5 Hz
Flash color	red
Connection terminal	0.5 ... 2.5 mm ²
Ambient temperature	-25 °C ... 70 °C
Air humidity	< 96 % (non-condensing)
Type of protection	IP 21C, IP 65 with CWR and accessories
Material	PC/ABS, UL94-V0
Color	red, similar RAL 3020
	cap: transparent
Weight	approx. 236 g
Specification	EN 54-3 acoustic signaling device EN 54-23 optical signaling device, (Cat O, 24 ... 29 V DC)
Dimensions	Ø: 100 mm H: 98 mm Ø: 100 mm H: 122 mm (incl. IP base)

Not suitable for use outdoors or in damp areas. Please use therefore the optional bases and accessories (Part No. CWR, PS188, PS189). Use of the deep IP socket reduces the dB output by an average of 4 dB. Replacement for Part No. 766240.

Available End Q1/2015

Accessories

- CWR Base deep IP 65, red
- PS188 Base deep, O-Ring
- PS189 Base deep, seal

CWR

NEW



Base deep IP 65, red

Base, red, for ENscape signaling device with IP 65 protection rating and sm cable entry.

Technical Data

Type of protection	IP 65 (with accessories)
Material	PC/ABS, UL94-V0
Color	red, similar to RAL 3020
Weight	approx. 47 g
Dimensions	Ø: 100 mm H: 53 mm

Used in damp conditions only with the optional O-Ring Part No. PS188.

5 pcs

Available End Q1/2015

Accessories

- PS 188 Base deep, O-Ring
- PS 189 Base deep, seal
- SC076 Grounding bridge for deep base

CWW

NEW




Base deep IP 65, white


Base, red, for ENscape signaling device with IP 65 protection rating and sm cable entry.

Technical Data

Type of protection	IP 65 (with accessories)
Material	PC/ABS, UL94-V0
Color	white, similar to RAL 9003
Weight	approx. 47 g
Dimensions	Ø: 100 mm H: 53 mm

 Used in damp conditions only with the optional O-Ring Part No. PS188.

 5 pcs

 Available End Q1/2015

Accessories

PS 188 Base deep, O-Ring

PS 189 Base deep, seal

SC076 Grounding bridge for deep base

PS188

NEW




O-Ring for deep base

Grounding strap for use with deep CWR or CWW base.

Technical Data

Material	MBR 70
Color	black

 5 pcs

 Available End Q1/2015

PS189

NEW




Seal for deep base

Seal for use with deep CWR or CWW base for IP 65 protection rating.

Technical Data

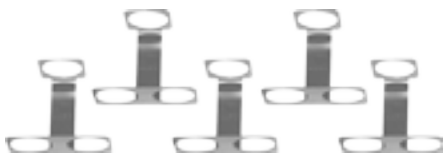
Material	closed-cell neoprene
Color	black

 5 pcs

 Available End Q1/2015

SC076

NEW





Ground jumper for deep base

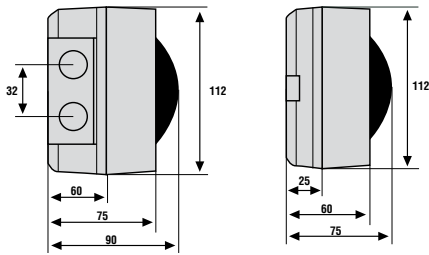
Grounding strap for use with deep CWR or CWW base.

Technical Data

Material	Stainless steel
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 5 pcs

 Available End Q1/2015



Features

- Completely bus supplied alarm device
- Powered loop compatible
- Low power consumption
- 5 different signaling device types - acoustic - optical- acoustic / optical- acoustic / optical- acoustic / optical / speech
- Multilingual speech alarm in 5 different languages
- Alarm signaling, evacuation, and test alarm can each be programmed in different languages
- Up to 32 alarm devices for each powered loop
- Each alarm device has built-in isolator
- Individual control of the sounder and beacon
- Tones can be used for other purposes in addition to warning of fire, making the device ideal for use in schools etc.
- Soft start option, ideal for hospitals and nursing homes

Acoustic alarm signaling:

- Acoustic pressure up to 99 dB(A) @ 1 m
- Volume programmable in 8 steps via tools 8000
- Up to 26 different languages are available
- 20 different signaling tones, including DIN tone
- Speech alarm, 5 pre-programmed alarm texts and other country-typical alarm signals

Optical alarm signaling:

- Flash intensity equivalent to 3W Xenon flash light
- Light intensity: max. 3.87 cd effective, max. 24 cd peak

IQ8Alarm enables IQ8Quad detector application with integrated alarm signaling and other advantages. No matter whether multilingual speech alarm, flexible signal combination or user-friendly programming interfaces, all these features are also available when using IQ8Alarm.

The IQ8Alarm range offers distinct advantages, which will surely convince every user straight away.

Advantages with IQ8Alarm at a glance:

Simple programming enabled by a standardized programming interface for all IQ8Systems (IQ8Quad + IQ8Alarm) alarm signaling devices

-Voltage supply on the loop

-Time-tested, unobtrusive design

Signaling device in compliance with EN 54 with 20 different signaling tones including DIN tone in compliance with DIN 33404-3

On the following pages, you will find more detailed information about IQ8Alarm features.



Please consider:

- Admissible maximum loop length
- Admissible maximum number of single alarm device types
- Maximum number of 127 bus devices for each loop

Systems requirements:






FACP IQ8Control from version V3.04
 FACP FlexES Control
 esserbus-Plus functionality
 Programming software tools 8000 from version V1.09

Attention - an operation with the FACP'S 8000 C/M is not possible!!!


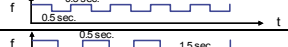
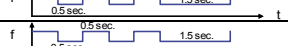

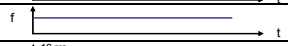

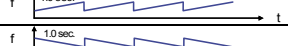

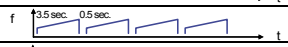
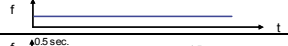




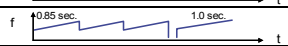




For upgrading 8000 C/M control units, IQ8Lumivox signaling devices must be used. If required, please contact our returns department.

For checking the battery capacity of FACP, the value "quiescent current @ FACP battery" can be added.

Intelligent Addressable IQ8Alarm

Country code acc. to ISO 3166 -Alpha-2	Language code acc. to ISO 639-1	Evacuation 1	Evacuation 2	Alarm	Test-message	All-Clear
 Germany (DE)	de	Dies ist ein Feueralarm. Bitte verlassen Sie das Gebäude umgehend über die nächsten Fluchtwege. Die Feuerwehr ist alarmiert.	Achtung, Achtung! Dies ist eine Gefahremeldung. Bitte verlassen Sie das Gebäude über die nächsten Ausgänge.	Achtung, im Gebäude ist eine Gefahrensituation gemeldet worden. Bitte bleiben Sie ruhig, und warten Sie auf weitere Anweisungen.	Dies ist eine Testdurchsage.	Die Gefahrensituation ist jetzt behoben. Wir entschuldigen uns für jegliche Unannehmlichkeiten.
 Great Britain (GB)	en	This is a fire alarm. Please leave the building immediately by the nearest available exit.	Attention please. This is an emergency. Please leave the building by the nearest available exit.	An incident has been reported in the building. Please await further instructions.	This is a test message. No action is required.	The emergency is now cancelled. We apologize for any inconvenience.
 France (FR)	fr	Ceci est une alarme incendie, veuillez évacuer immédiatement les locaux par la sortie la plus proche.	Votre attention s'il vous plaît, ceci est une alarme. Veuillez évacuer les locaux par la sortie la plus proche.	Un incident est signalé dans le bâtiment. Merci de garder votre calme et attendez les prochaines instructions.	Ceci est un test.	L'alarme est à présent annulée. Veuillez nous excuser pour le désagrément.
 Spain (ES)	es	Esto es una alarma de incendio. Abandonen por favor el edificio inmediatamente por la salida de evacuación más cercana.	Atención. Esto es una emergencia. Por favor abandonen el edificio por la salida de evacuación más cercana.	Atención, se ha reportado un incidente en el edificio. Aguarden por favor otras instrucciones.	Esto es un mensaje de prueba. No se requiere ninguna acción.	La emergencia ha sido cancelada. Pedimos disculpas por las molestias causadas.
 Italy (IT)	it	Attenzione. Allarme incendio. Abbandonare l'edificio tramite l'uscita di emergenza più vicina.	Attenzione. Allarme in corso. Vi preghiamo di recarvi presso l'uscita di emergenza più vicina.	Attenzione. E' stato rilevato un allarme. Ulteriori disposizioni vi verranno comunicate appena possibile.	Attenzione. E' in corso una prova di allarme. Non è richiesta alcuna azione.	Attenzione. Cessato allarme. La situazione di normalità è stata ripristinata.

Standard speech messages of IQ8Quad detectors and IQ8Alarm - for other languages also refer to the appendix!

No.	Description	Frequency	Pulse rate
1	School bell	complex	complex
2	FP 1063.1 Telecoms BS 5839 Pt1	Alternating 800 / 970 Hz at 2 Hz	
3	BS 5839 Pt1	Alternating 800 / 970 Hz at 1 Hz	
4	BS 5839 Pt1	Intermittent 970 Hz at 1 Hz 0.5 sec.	
5	BS 5839 Pt1	Intermittent 2850 Hz at 1 Hz 0.5 sec.	
6	BS 5839 Pt1	Intermittent 970 Hz 1/4 sec. ON - 1 sec. OFF	
7	BS 5839 Pt1	Continuous 970 Hz	
8	BS 5839 Pt1	Sweep tone 800 Hz tp 970 Hz at 7 Hz	
9	BS 5839 Pt1	Sweep tone 800 Hz to 970 Hz at 1 Hz	
10	DIN Tone DIN 33404 Part 3	1200 - 500 Hz at 1 Hz	
11	French fire sound	554 Hz / 100 ms + 440 Hz / 400 ms + 10 %	
12	NL - Slow Whoop	500 Hz - 1200 Hz at 3.5 sec. break of 0.5 sec.	
13	US - Horn	Continuous 485 Hz	
14	US - Horn with Temporal Pattern	Intermittent 485 Hz (0.5 sec. ON; 0.5 sec. OFF; 3 times; 1.5 sec. OFF; Repeat)	
15	US - March Time	Alternating 485 Hz (0.25 sec. ON; 0.25 sec. OFF; Repeat)	
16	US - Slow Whoop	Sweep tone 500 Hz to 1200 Hz (4.0 sec. ON; 0.5 sec. OFF; Repeat)	
17	US - Siren	Sweep tone 600 Hz to 1200 Hz (1.0 sec. ON; Repeat)	
18	US - Hi/Lo	Alternating 100 Hz / 800 Hz (0.25 sec. ON; Alternate; 0.25 sec. ON; Alternate; Repeat)	
19	US - NFPA Whoop	Sweep tone 422 Hz to 775 Hz (upwards sweep 0.85 sec.; 3 times; 1 sec. OFF; Repeat)	
20	IMO GA-Signal	Intermittent 800 Hz (1.0 sec. ON; 1.0 sec. OFF; 7 times; 2.0 sec. ON; 2.0 sec. OFF; Repeat)	

IQ8Quad detectors and IQ8Alarm tone table

IQ8Alarm Acoustical Alarm Devices

Features

- Completely bus supplied alarm device
- Powered loop compatible
- Low power consumption
- Up to 32 alarm devices for each powered loop
- Each alarm device has built-in isolator
- Tones can be used for other purposes in addition to warning of fire, making the device ideal for use in schools etc.
- Soft start option, ideal for hospitals and nursing homes

Acoustic alarm signaling (dependent on type):

- Acoustic pressure up to 99 dB(A) @ 1 m
- Volume programmable in 8 steps via tools 8000
- Up to 26 different languages are available
- 20 different signaling tones, including DIN tone
- Multilingual speech alarm in 5 different languages
- Alarm signaling, evacuation, and test alarm can each be programmed in different languages
- Speech alarm, 5 pre-programmed alarm texts and other country-typical alarm signals

Technical Data

Operating voltage	8 ... 42 V DC (via powered loop)
Quiescent current @ 19 V DC	approx. 55 µA
Quiescent current @ FACP battery	approx. 300 µA @ 42 V
Load factor	3
Sound level	97 dB(A) +/- 2 dB @ 1 m
Ambient temperature	-5 °C ... 50 °C
Storage temperature	-10 °C ... 55 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 30
	(IP 65 with socket 806201 / 806202)
Housing	ABS plastic
Weight	approx. 300 g
Specification	EN 54-3 acoustic signaling device EN 54-3 acoustic speech signaling device (Q2/2011)
Dimensions	Ø: 112 mm D: 75 mm Ø: 112 mm D: 90 mm (with IP 65 base)
Declaration of Performance	DoP-20213130701

807205

IQ8Alarm/So signaler with isolator, white



Approval: VdS

Addressable, completely bus supplied and short circuit / open circuit resilient alarm signaling device in compliance with EN 54-3 with up to 20 different programmable signaling tones including DIN tone in accordance with DIN 33404 Part 3 for acoustic alarm signaling. The volume can be set to 8 different levels. Its flat design enables optimum adaptation to the environments. It is made of shock and scratch resistant plastic. Optionally, bases Part No. 806201 and 806202 with side cable entry and weatherproof protection can be installed.

Technical Data

Color	white, similar to RAL 9010
Specification	EN 54-3 acoustic signaling device EN 54-3

Accessories

806201 IP65 base, white

807206

IQ8Alarm/So signaler with isolator, red



Approval: VdS

Same as 807205, but red.

Technical Data

Color	red, similar to RAL 3020
Specification	EN 54-3 acoustic signaling device EN 54-3

Accessories

806202 IP65 base, red

807322

IQ8Alarm/Sp signaler with isolator, white



Approval: VdS

Same as 807205, but with additional speech alarm function.

Technical Data

Color	white, similar to RAL 9010
Specification	EN 54-3 acoustic signaling device EN 54-3 acoustic speech signaling device (Q2/2011)

Programmed with an individual selection of up to 5 national languages

Accessories

806201 IP 65 base, white

807322.SV98

IQ8Alarm/Sp signaler with isolator, white, composed version



Approval: VdS

Same as 807322, but with individual text and/or sounds. The maximum recording time per device is 169 seconds.

Technical Data

Specification	EN 54-3 EN 54-3
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When ordering, please note the "Ordering information for IQ8Quad and IQ8Alarm" and fill in "Order form for individual combination of languages" printed in the appendix. Cancellations or returns are not possible.

Programmed with an individual selection of up to 5 national languages

Accessories

806201 IP65 base, white

807322.SV99

IQ8Alarm/Sp signaler with isolator, white, customized version



Approval: VdS

Same as 807322, but with individual text and/or sounds. The maximum recording time per device is 169 seconds.

Technical Data

Specification	EN 54-3 EN 54-3
---------------	--------------------

When ordering, please note the "Ordering information for IQ8Quad and IQ8Alarm" and fill in "Order form for individual combination of languages" printed in the appendix. Costs for the recording of customer specific texts and/or tones can be obtained on request. Cancellations or returns are not possible.

Programmed according to customer specifications.

Accessories

806201 IP65 base, white

807332

IQ8Alarm/Sp signaler with isolator, red



Approval: VdS

Same as 807322, but red.

Technical Data

Color	red, similar to RAL 3020
Specification	EN 54-3 acoustic signaling device EN 54-3 acoustic speech signaling device (Q2/2011)



Programmed with an individual selection of up to 5 national languages

Accessories

806202 IP65 base, red

807332.SV98

IQ8Alarm/Sp signaler with isolator, red, composed version



Approval: VdS

Same as 807322.SV98, but with an individual combination of up to 5 languages, see special order form in the appendix.

Technical Data

Specification	EN 54-3 EN 54-3
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When ordering, please note the "Ordering information for IQ8Quad and IQ8Alarm" and fill in "Order form for individual combination of languages" printed in the appendix. Cancellations or returns are not possible.

Accessories

806202 IP65 base, red

807332.SV99

IQ8Alarm/Sp signaler with isolator, red, customized version



Approval: VdS

Same as 807322.SV99, but with individual text and/or sounds. The maximum recording time per device is 169 seconds.

Technical Data

Specification	EN 54-3 EN 54-3
---------------	--------------------



When ordering, please note the "Ordering information for IQ8Quad and IQ8Alarm" and fill in "Order form for individual combination of languages" printed in the appendix. Costs for the recording of customer specific texts and/or tones can be obtained on request. Cancellations or returns are not possible.

Accessories

806202 IP65 base, red

IQ8Alarm Combined Alarm and Speech Signaling Devices

Features

- Completely bus supplied alarm device
- Powered loop compatible
- Low power consumption
- Up to 32 alarm devices for each powered loop
- Each alarm device has built-in isolator
- Tones can be used for other purposes in addition to warning of fire, making the device ideal for use in schools etc.
- Soft start option, ideal for hospitals and nursing homes

Acoustic alarm signaling (dependent on type):

- Acoustic pressure up to 99 dB(A) @ 1 m
- Volume programmable in 8 steps via tools 8000
- Up to 26 different languages are available
- 20 different signaling tones, including DIN tone
- Multilingual speech alarm in 5 different languages
- Alarm signaling, evacuation, and test alarm can each be programmed in different languages
- Speech alarm, 5 pre-programmed alarm texts and other country-typical alarm signals

Optical alarm signaling:

- Flash intensity equivalent to 3W Xenon flash light

Technical Data

Operating voltage	8 ... 42 V DC (via powered loop)
Quiescent current @ 19 V DC	approx. 55 µA
Quiescent current @ FACP battery	approx. 300 µA @ 42 V
Load factor	3
Sound level	97 dB(A) +/- 2 dB @ 1 m
Frequency of flash	approx. 3 Hz
Lighting energy	approx. 3 Y
Luminous intensity	max. 24.4 cd peak/ 4.1 cd effektive (red flash)
Ambient temperature	-10 °C ... 50 °C
Storage temperature	-10 °C ... 55 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 30 (IP 65 with socket 806201 / 806202)
Housing	ABS plastic
Weight	approx. 300 g
Specification	EN 54-3 acoustic signaling device EN 54-3 acoustic speech signaling device (Q2/2011)
Dimensions	Ø: 112 mm D: 75 mm Ø: 112 mm D: 90 mm (with IP 65 base)
Declaration of Performance	DoP-20213130701

807224

IQ8Alarm/FSo signaler with isolator, red



Approval: VdS

Addressable, completely bus supplied and short circuit / open circuit resilient alarm signaling device in compliance with EN 54-3 with up to 20 different programmable signaling tones including DIN tone in accordance with DIN 33404 Part 3 for acoustic and optical alarm signaling. The volume can be set to 8 different levels. Its flat design enables optimum adaptation to the environments. It is made of shock and scratch resistant plastic. Optionally, bases (Part no. 806201 white or 806202 red) with side cable entry and weatherproof protection (IP65) can be installed.

Technical Data

Luminous intensity	max. 24.4 cd peak/ 4.1 cd effektive (red flash)
Color	red, similar to RAL 3020
Specification	EN 54-3 acoustic signaling device EN 54-3

Accessories

806202 IP65 base, red

807372

IQ8Alarm/FSp signaler with isolator, red



Approval: VdS

Same as in 807224, but with programmed speech alarm for powered loop connection.

Technical Data

Luminous intensity	max. 24.4 cd peak/ 4.1 cd effektive (red flash)
Color	red, similar to RAL 3020
Specification	EN 54-3 acoustic signaling device EN 54-3 acoustic speech signaling device (Q2/2011)

 Programmed with 5 languages: German, English, French, Spanish and Italian.

Accessories

806202 IP65 base, red

807372.SV98

IQ8Alarm/FSp signaler with isolator, red, composed version





Approval: VdS

Same as 807372, but with an individual combination of up to 5 languages, see special order form in the appendix.

Technical Data

Color	red, similar to RAL 3020
Specification	EN 54-3 EN 54-3

 When ordering, please note the "Ordering information for IQ8Quad and IQ8Alarm" and fill in "Order form for individual combination of languages" printed in the appendix. Cancellations or returns are not possible.

 Programmed with 5 languages in accordance with composed combination.

Accessories

806202 IP65 base, red

807372.SV99

IQ8Alarm/FSp signaler with isolator, red, customized version





Approval: VdS

Same as 807372, but with individual texts and/or sounds. The maximum recording time per device is 169 seconds.

Technical Data

Color	red, similar to RAL 3020
Specification	EN 54-3 EN 54-3

 When ordering, please note the "Ordering information for IQ8Quad and IQ8Alarm" and fill in "Order form for individual combination of languages" printed in the appendix. Costs for the recording of customer specific texts and/or tones can be obtained on request. Cancellations or returns are not possible.

 Programmed according to customer specifications.

Accessories

806202 IP65 base, red

IQ8Alarm Optical Alarm Signaling Devices

807212

IQ8Alarm/F signaler with isolator, amber flash



Approval: VdS

Addressable, completely bus supplied and short circuit / open circuit resilient alarm signaling device for optical alarm signaling. Its flat and unobtrusive design enables optimum adaptation to the environments.

Technical Data

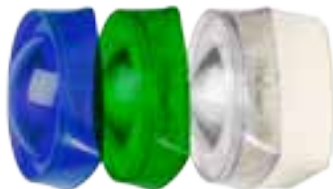
Operating voltage	8 ... 42 V DC (via powered loop)
Quiescent current @ 19 V DC	approx. 55 µA
Quiescent current @ FACP battery	approx. 300 µA @ 42 V
Load factor	3
Frequency of flash	approx. 3 Hz
Lighting energy	approx. 3 Y
Luminous intensity	max. 24 cd peak/ 3.87 cd effective
Ambient temperature	-10 °C ... 50 °C
Storage temperature	-10 °C ... 55 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 30 IP 65 (with base 806201/806202)
Housing	ABS plastic
Color	base: white, similar to RAL 9010 cap: amber
Weight	approx. 300 g
Dimensions	Ø: 112 mm D: 75 mm Ø: 112 mm D: 90 mm (with IP 65 base)
Declaration of Performance	DoP-20213130701



806201 IP65 base, white

807213

IQ8Alarm/F signaler with isolator, blue/green/white flash



Approval: VdS

Same as 807212, but transparent, blue and green.

Technical Data

Operating voltage	8 ... 42 V DC (via powered loop)
Quiescent current @ 19 V DC	approx. 55 µA
Quiescent current @ FACP battery	approx. 300 µA @ 42 V
Load factor	3
Frequency of flash	approx. 3 Hz
Lighting energy	approx. 3 Y
Luminous intensity	transparent: max. 17.39 cd peak/ 2.16 cd effective blue: max 5,06 cd peak/0,62 cd effective green: max. 2,72 cd peak/0,33 cd effective
Ambient temperature	-10 °C ... 50 °C
Storage temperature	-10 °C ... 55 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 30 IP 65 (with base 806201/806202)
Housing	ABS plastic
Color	base: white, similar to RAL 9010 cap: blue, green, transparent
Weight	approx. 300 g
Dimensions	Ø: 112 mm D: 75 mm Ø: 112 mm D: 90 mm (with IP 65 base)
Declaration of Performance	DoP-20213130701



Replacement: 807214WW



806201 IP65 base, white

Phase out date: 31.12.2014

807214WW

Optical alarm signaling device IQ8Alarm EN 54-23 Kat. W, white flash

NEW



Features


- Completely bus supplied alarm device
- Powered loop compatible
- Low power consumption
- Up to 32 alarm devices for each powered loop
- Each alarm device has built-in isolator
- EN 54-23 compliant
- W category
- Synchronous flash control
- Up to 5 m, room width


Approval: requested

Optical signaling device compliant with EN 54-23 for wall mounting with white signal flash and flat base. The signaling device is suitable for square signal ranges W-2.4-5.0.

Technical Data

Operating voltage	8 ... 42 V DC
Quiescent current @ 19 V DC	approx. 55 µA
Load factor	3
Frequency of flash	approx. 0.5 Hz(factory) /1 Hz
Flash color	white
Ambient temperature	-25 °C ... 70 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 41
Material	Flash lamp PC
Category wall	W-2,4-5,0 (factory)
Mounting height wall	2.4 m
Room width	5 m
Color	white, similar to RAL 9010
Weight	cap: transparent
Specification	approx. 275 g (with base)
Dimensions	EN 54-23 optical alarm signaling device Ø: 112 mm H: 75 mm

 Replacement for 807213

 Available Q4/2015

807214

IQ8Alarm/F signaler with isolator, red flash





Approval: VdS

Same as 807212, but red.

Technical Data

Operating voltage	8 ... 42 V DC (via powered loop)
Quiescent current @ 19 V DC	approx. 55 µA
Quiescent current @ FACP battery	approx. 300 µA @ 42 V
Load factor	3
Frequency of flash	approx. 3 Hz
Lighting energy	approx. 3 Y
Luminous intensity	max. 20.91 cd peak/3.41cd effective
Ambient temperature	-10 °C ... 50 °C
Storage temperature	-10 °C ... 55 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 30
Housing	IP 65 (with base 806201/806202)
Color	ABS plastic base: red, similar to RAL 3020 cap: red
Weight	approx. 300 g
Dimensions	Ø: 112 mm D: 75 mm Ø: 112 mm D: 90 mm (with IP 65 base)
Declaration of Performance	DoP-20213130701

 Replacement: 807214RR

 806202 IP65 base, red

Phase out date: 31.12.2014

807214RR

Optical alarm signaling device IQ8Alarm EN 54-23 Kat. W, red flash

NEW



Features


- Completely bus supplied alarm device
- Powered loop compatible
- Low power consumption
- Up to 32 alarm devices for each powered loop
- Each alarm device has built-in isolator
- EN 54-23 compliant
- W category
- Synchronous flash control
- Up to 5 m, room width


Approval: requested

Optical signaling device compliant with EN 54-23 for wall mounting with red signal flash and flat base. The signaling device is suitable for square signal ranges W-2.4-5.0.

Technical Data

Operating voltage	8 ... 42 V DC
Quiescent current @ 19 V DC	approx. 55 µA
Load factor	3
Frequency of flash	approx. 0.5 Hz(factory) /1 Hz
Flash color	red
Ambient temperature	-25 °C ... 70 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 41
Material	Flash lamo PC
Category wall	W-2,4-5,0 (factory)
Mounting height wall	2.4 m
Room width	5 m
Color	red, similar to RAL 3020 cap: transparent
Weight	approx. 275 g (with base)
Specification	EN 54-23 optical alarm signaling device
Dimensions	Ø: 112 mm H: 75 mm

 Replacement for 807214

 Available Q2/2015

Accessories IQ8Alarm

806201



IQ8Alarm IP 65 base, white

White base, for IQ8Alarm device with protection type IP65 and surface mount cable entry.

Technical Data

Type of protection	IP 65
Color	white, similar to RAL 9010

806202



IQ8Alarm IP 65 base, red

Red base, for IQ8Alarm device with protection type IP65 and surface mount cable entry.

Technical Data

Type of protection	IP 65
Color	red, similar to RAL 3020

767800




Mounting bracket for lintel installation

Mounting bracket for all bases/detectors of the IQ8Quad group, series 9x00, RAS 2103 for IQ8Alarm including all alarm devices.

The distance between the mounting holes is 6 cm and the diameter is about 5 mm. Detector side L x W 175 x 90 mm; Wall side H x W 65 x 90 mm.

Technical Data

Material	aluminum
Color	white, similar to RAL 9010

 Mounting bracket and installation material

Remote Indicators

Features

- Shapely, light-weight and compact design
- Prism with all around 180° visible LEDs with a wide area of illumination and high on/off contrast

These indicators are used primarily for signaling alarms of smoke detectors installed above suspended ceilings, between floors or in other inaccessible locations. The indicators have an elegant plastic housing with a clearly visible illuminated field. It comprises two parts - the base which is installed onto a wall or soffit and the lid which is fitted to the base with a clip plug.



Cable length of the remote indicators to detector base or voltage supply max. 100 m.

781804



Features

- 4 pulsed LEDs
- Power-saving compact indicator

Remote indicator for Series 9000, red

Red prism is illuminated by 4 pulsed LEDs to increase the energy efficiency.

Technical Data

Operating voltage	6 ... 12 V DC
Quiescent current @ 12 V DC	approx. 0.005 mA
Alarm current	approx. 9 mA
Frequency of flash	approx. 1.5 Hz
Ambient temperature	-20 °C ... 70 °C
Storage temperature	-35 °C ... 85 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 50
Housing	ABS plastic
Color	white, similar to RAL 9010
Weight	approx. 60 g
Dimensions	W: 85 mm H: 82 mm D: 27 mm



Operation only with conventional automatic fire detectors series 9000 and standard detector base Part No. 781590.

- Adapter module (Part No. 781487) required
- max. 3 indicators per detector / max. 3 detectors per indicator
- max. 60 remote indicators per zone (with max. 20 detectors)
- each additional detector, decrease 3 remote indicators
(e.g. 21 detectors -> max. 57 remote indicators 30 detectors -> max. 30 remote indicators).

781814



Features

- 3 continuously or pulsed LEDs
- Power-saving compact indicator

Remote indicator for Series 9000, 9200 and IQ8Quad, red

Red prism is continuously or pulsed illuminated by 3 LEDs.

Technical Data

Operating voltage	1.8 V DC
Current consumption	approx. 9 mA
Alarm display	3 red LEDs
Ambient temperature	-20 °C ... 70 °C
Storage temperature	-35 °C ... 85 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 50
Housing	ABS plastic
Color	white, similar to RAL 9010
Weight	approx. 60 g
Dimensions	W: 85 mm H: 82 mm D: 27 mm



Detectors series 9000

- Standard detector base Part No. 781590 and adapter module Part No. 781487 required
- Max. 2 detectors per indicator / max. 2 indicator per detector
- Remote indicator lights continuously if activated.

Detectors series 9200/IQ8Quad

- Standard detector base Part No. 781590 or base Part No. 801593 required for series 9200 detectors
- Standard base Part No. 805590 required for series IQ8Quad
- max. 1 remote indicator per detector
- max. 60 remote indicators per zone (with max. 30 detectors)
- Indicator flashes if activated (Pulse frequency approx. 1 Hz)

781815

Remote indicator 12 V, solder bridge open, Netherlands

Same as 781814, but 12 V.

Technical Data

Housing	ABS plastic
Color	white, similar to RAL 9010

801824

Remote indicator esserbus-PLus for detector series 9200 and IQ8Quad, red



Red prism is illuminated by 4 pulsed LEDs for operation on esserbus and esserbus-PLus to increase the energy efficiency.

Technical Data

Operating voltage	8 ... 42 V DC
Quiescent current @ 12 V DC	approx. 0.007 mA
Alarm current	150 µA
Frequency of flash	approx. 1.5 Hz
Ambient temperature	-20 °C ... 70 °C
Storage temperature	-35 °C ... 85 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 50
Housing	ABS plastic
Color	white, similar to RAL 9010
Weight	approx. 60 g
Dimensions	W: 85 mm H: 82 mm D: 27 mm

Features

- 4 pulsed LEDs
- Ultra power-saving compact indicator
- Powered loop alarm device



- Detectors series 9200/IQ8Quad
- Standard detector base Part No. 781590 or base Part No. 801593 required for series 9200 detectors
 - Standard base Part No. 805590 required for series IQ8Quad
 - max. 3 indicators per detector
 - max. 103 remote indicators per loop

801825

Remote indicator esserbus-PLus for detector series 9200 and IQ8Quad, blue



A blue prism is illuminated by 4 pulsed LEDs to increase the energy efficiency. Connection via three-wire cable. For special applications such as indication of assaults on jailers in any prison cell of penitentiaries and correctional facilities.

Technical Data

Operating voltage	14 ... 42 V DC
Quiescent current	approx. 0.007 mA
Alarm current	approx. 150 µA
Frequency of flash	approx. 1.5 Hz
Connection terminal	0.6 mm ... max. 1.5 mm ²
Ambient temperature	-20 °C ... 70 °C
Storage temperature	-35 °C ... 85 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 50
Housing	ABS plastic
Color	white, similar to RAL 9010
Weight	approx. 60 g
Dimensions	W: 85 mm H: 82 mm D: 27 mm

Features

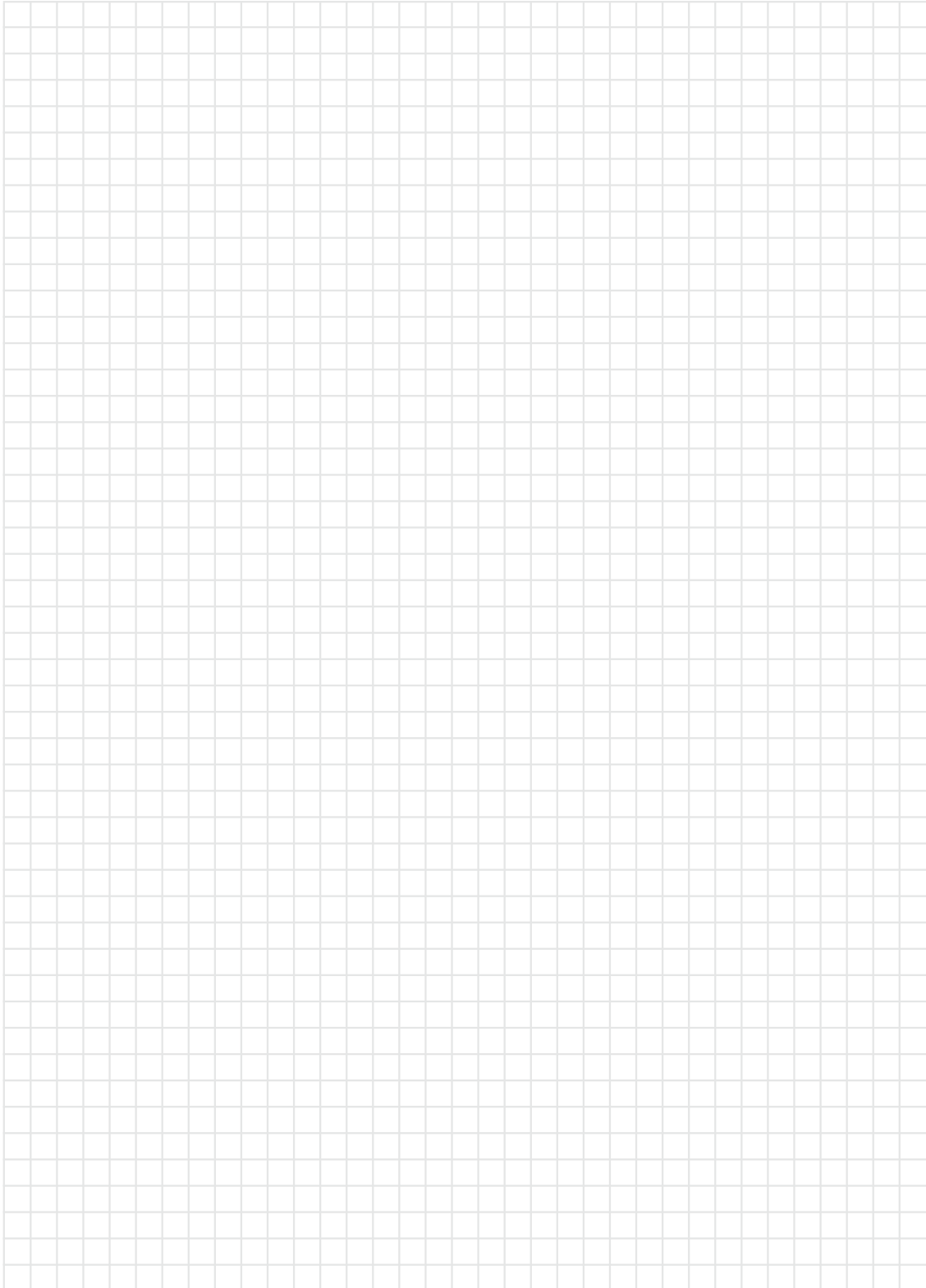
- 4 pulsed LEDs
- Power-saving compact indicator
- Powered loop alarm device



- Automatic Fire Detectors series 9200/IQ8Quad
- Standard detector base Part No. 781590 or base Part No. 801593 required for series 9200 detectors
 - Standard detector base Part No. 805590 required for series IQ8Quad detectors
 - Max. 3 indicators per detector / max. 2 detectors per indicator
 - Max. 103 remote indicators per analog loop
 - Do not connect remote indicator to detector base Part No. 781593
 - Cable length to detector base or voltage supply max. 100 m

Manual Call Point series 9200

- Electronic module Part No. 804472.10 (for activating a LED remote indicator)





Installation & Service

Installation Accessories

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Housings

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Services

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Surge Protection

764730




OVP module for TTY interfaces and conventional zones

Overvoltage protection module as 4-pin, rail-mounted device. Space-saving combined surge protector module for the protection of two wire pairs of symmetrical interfaces with electrical isolation.

Technical Data

Rated voltage	24 V
Rated current	1 A @ 45 °C
max. cont. operating voltage a.c.	23.3 V AC
max. cont. operating voltage d.c.	33 V DC
Nom. discharge current (80/20)/line	10000 A
Total nom. discharge current	20 kA
Total lightning imp. current (10/350)	10 kA
Lightning imp. current (10/350)/line	2.5 kA
Ambient temperature	-40 °C ... 85 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 20

 Low resistance ground connection is a must for proper surge protection functioning.

Accessories

764737 Base for overvoltage protection module

764731



OVP module for essernet and RS485 interfaces

Space-saving combined surge protector with LifeCheck for the protection of one wire of radio-frequency bus systems, with either direct or indirect shield grounding.

Technical Data

Rated voltage	5 V
Rated current	1 A @ 45 °C
max. cont. operating voltage a.c.	4.2 V AC
max. cont. operating voltage d.c.	6 V DC
Nom. discharge current (80/20)/line	10000 A
Total nom. discharge current	20 kA
Total lightning imp. current (10/350)	9 kA
Lightning imp. current (10/350)/line	2.5 kA
Ambient temperature	-40 °C ... 85 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 20

Accessories

764737 Base for overvoltage protection module

764732





OVP module including base support for 230 V power supply line

Two-pin surge protector comprising base element and connected protection module, with potential-free telecommunications contact for independent fault forwarding.

Technical Data

Rated voltage	230 V AC
max. cont. operating voltage a.c.	255 V AC
max. cont. operating voltage d.c.	255 V DC
Nominal load current a.c.	25 A
Total discharge current (8/20) [L+N-PE]	5 kA
Combined impulse	6 kV
Combined impulse [L+N-PE]	10 kV
Voltage protection level [L/N-PE]	≤ 1500 V
Voltage protection level [L-N]	≤ 1250 V
Response time [L/N-PE]	≤ 100 ns
Response time [L-N]	≤ 25 ns
Ambient temperature	-40 °C ... 85 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 20

 Low resistance ground connection is a must for proper surge protection functioning.

 Base element and connected protection module

764733



OVP module for esserbus/esserbus-PLUS loop

Space-saving combined surge protector module for the protection of two wire pairs symmetrical interfaces with electrical isolation.
Two overvoltage protection module of this type is required for each loop.

Technical Data

Rated voltage	48 V
Rated current	1 A @ 45 °C
max. cont. operating voltage a.c.	38.1 V AC
max. cont. operating voltage d.c.	54 V DC
Nom. discharge current (80/20)/line	10000 A
Total nom. discharge current	20 kA
Total lightning imp. current (10/350)	10 kA
Lightning imp. current (10/350)/line	2.5 kA
Ambient temperature	-40 °C ... 85 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 20 (connected)

Accessories

764737 Base for overvoltage protection module

764734



OVP module

Space-saving combined surge protector module for the protection of one wire pair of symmetrical interfaces with electrical isolation.

Technical Data

Rated voltage	180 V
Rated current	0.75 A @ 45 °C
max. cont. operating voltage a.c.	127 V AC
max. cont. operating voltage d.c.	180 V DC
Nom. discharge current (80/20)/line	10000 A
Total nom. discharge current	20 kA
Total lightning imp. current (10/350)	5 kA
Lightning imp. current (10/350)/line	2.5 kA
Ambient temperature	-40 °C ... 85 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 20 (connected)

Accessories

764737 Base for overvoltage protection module

764735




OVP module for ISDN telephone lines

For ISDN S0 bus with RJ 45 connections.
The additional screw terminal connection on the protected output enables a double wiring of the S0 bus (distribution function).

Technical Data

Rated voltage	5 V
Rated current	0.2 A
max. cont. operating voltage d.c.	7.5 V DC
Nom. discharge current (80/20)/line	2500 A
Total nom. discharge current	10 kA
Ambient temperature	-40 °C ... 85 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 10

 No base support is required for the connection.

764736




OVP module for control outputs

Power-coordinated combined surge protector for the protection of ungrounded DC power supplies for mounting-rail installation.
Protection of monitored and potential-free control outputs up to 36 volts.

Technical Data

Rated voltage	36 V
Rated current	7 A @ 40 °C
max. cont. operating voltage d.c.	45 V DC
Nom. discharge current (80/20)/line	10000 A
Total nom. discharge current	20 kA
Total lightning imp. current (10/350)	5 kA
Lightning imp. current (10/350)/line	2.5 kA
Ambient temperature	-40 °C ... 85 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 20

 No base support is required for the connection.

764737




Base module for OVP modules

Base part as very space-saving, 4-pin, universal feed-through terminal to accommodate the surge protector module without signal interruption.
The secure grounding of the surge protector module is established via the mounting rail support base by means of a snap-on attachment.
As no components of the protection circuit are located in the base part, maintenance work is restricted to the protection modules.

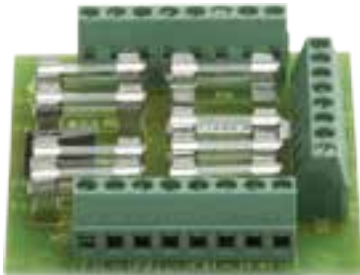
Technical Data

Ambient temperature	-40 °C ... 85 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 20

 Tool-free attachment on 35 mm mounting rails.

Junction Box Module

382040




8-fuse-card

Approval: VdS

Fuse card with 8 x 0.5 A fuses for individual power supply protection of each area, zone and component. It can be used with all ESSER mains units, fire and intrusion detection panels.

Technical Data

Contact load	30 V DC / 1 A
Connection terminal	0.6 mm to max. 1.5 mm ²
Ambient temperature	-5 °C ... 50 °C
Storage temperature	-25 °C ... 75 °C
Air humidity	< 95 % (non-condensing)
Weight	approx. 85 g
Dimensions	W: 65 mm H: 72 mm D: 15 mm

 Possible installation in housings: Part No. 120240, 120242, 120244, 788600, 788601, 788650, 788650.10, 788651, 788651.10, 788603 and 788603.10

Interface Converters

764852

Converter RS232/RS485



For converting an interface signal from RS 232 to RS 485 and vice versa. Suitable for C-rail mounting.

Technical Data

Operating voltage	12 ... 24 V DC /AC
Current consumption @ 12 V DC	approx. 85 mA
Housing	plastic small-design housing
Weight	approx. 500 g (incl. power supply)
Dimensions	W: 105 mm H: 75 mm D: 22 mm

Features

- RS 485, 2 and 4 wire compatible
- RS 485, automatic mode
- No re-configuration of transmission parameters required
- Min. 1 kV electrical isolation
- Top hat rail housing according to DIN EN 50022-35
- Suitable as "non-intelligent" converter for
- RS 485 field buses (e.g. profibus, CS31, etc.) <-> RS 232

- 1 x Interface RS 232/RS 485 industry
- 1 x Power supply unit

764853

Converter RS232/TTY English, jack version



Same as 764855, but with English jack version.

764855.10

Converter RS232 / TTY



When using this converter as, for example, a current-loop line driver (amplifier), a printer with a serial or parallel interface or a fire alarm panel or an intruder alarm panel can be operated at a distance of up to 1000 m from the management system.

- Please note that two RS 232/TTY converters are required for each connection.
- 1 x Converter RS 232
- 1 x Serial connecting plug
- 1 x Parallel connection plug
- 1 x Power supply unit

Features

- RS 232 data rate up to 128 kbps
- TX, RX Active/Passive selectable
- 20 or 60 mA selectable
- DTE/DCE device setting selectable
- TD/RD LED indicators
- Power LED indicator

Accessories

057633


Installation frame for transmission units and transponders



Installation frame specially designed for 8000 C/M, IQ8Control C/M and FlexES Control panels (IQ8Control C only with extension housing). The mounting frame allows the installation of two esserbus transponders or one dialling device for alarm transmission e.g. DS6750, 7500, 7600, 7700, 8800.

Technical Data

Dimensions W: 280 mm H: 130 mm D: 25 mm

-  1 x Installation frame
- 1 x Insulation foil and installation material



Application example

050510

Network interference suppression filter type 2VK3



The mains interference suppression filter is intended for later installation in all mains-operated devices in which problems due to HF power failure arise.

Technical Data

Rated voltage	115 V-250 V AC
Rated current	2 A
Rated frequency	50 ... 60 Hz
Ambient temperature	-10 °C ... 40 °C
Dimensions	W: 52.6 mm H: 46 mm D: 23.1 mm (without flange)

-  Mains interference suppression filter and terminal block

070450

Additional relay 12 V DC



Small PCB with relay, connection terminals, two changeover contacts.

Technical Data

Contact load relay	250 V AC/8 A
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767510

Control relay for top-hat rail mounting



Technical Data

Operating voltage	12 V DC
Contact load relay	250 V AC/DC, 6 A
Ambient temperature	-20 °C ... 55 °C


788602

Top-hat rail



Technical Data

Dimensions	L: 400 mm
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 Mounting kit

788652


Mounting rail for FACP

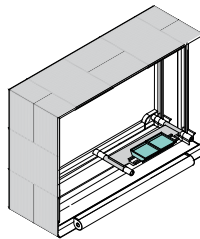


The top hat rail installation kit can be retrofitted into the IQ8Control and FlexES Control unit housing. The hat rail is fitted to the mounting board via two screws. A maximum of two (Part No. 788603.10) module housings (option) can be mounted to the control unit housing.

Technical Data

Dimensions	L: 35 mm W: 175 mm (standard-snap-on mounting rail)
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 Mounting rail and accessories



Application example

788603.10


Module housing for top-hat mounting rail



For snap-on mounting rail of several electronic modules with 82 x 72 mm PCB size. Angled cable entry.

Technical Data

Material	plastic
Color	green

 1 x UM-profile and 2x side panels



Application example with transponder

788605

Mounting kit

Mounting kit required for mounting esserbus transponders in extension housings.



4 x spacer bolts and 2 x fixing screws



704147

Cable gland M12 with nut

Polyamide cable gland to increase the protection level.



Technical Data

Ambient temperature	-20 °C ... 95 °C
Type of protection	IP 67
Material	Polyamide
Color	gray
Cable diameter	3 mm

704148

Cable gland M16 with nut

Polyamide cable gland to increase the protection level.



Technical Data

Ambient temperature	-20 °C ... 95 °C
Type of protection	IP 67
Material	Polyamide
Color	gray
Cable diameter	8 mm

704149

IP 67 cable gland M20 with nut

For cable entry, e.g. mounting housing.



Technical Data

Ambient temperature	-20 °C ... 95 °C
Type of protection	IP 67
Material	Polyamide
Color	gray

Housings

788600

Housing surface mount, gray



Small distributor housing for esserbus transponders.

The following esserbus transponder types can be used:

- 2 esserbus transponders each of dimensions (W x H x D) 82 x 72 x 20 mm
- 1 esserbus transponder of dimensions (W x H x D) 150 x 82 x 20 mm

Technical Data

Type of protection	IP 40
Material	ABS
Color	gray, similar to RAL 7035
Dimensions	W: 189 mm H: 131 mm D: 47 mm

788601

Housing flush mount, gray



Same as 788600, but flush-mounted version.

Technical Data

Type of protection	IP 40
Material	ABS
Color	gray, similar to RAL 7035
Dimensions	W: 189 mm H: 131 mm D: 47 mm W: 207 mm H: 149 mm (cover)

788650.10

Housing surface mount, white



Same as 788600, but white.

Technical Data

Type of protection	IP 40
Material	ABS
Color	white, similar to RAL 9003
Dimensions	W: 189 mm H: 131 mm D: 47 mm

788651.10

Housing flush mount, white



Same as 788601, but white.

Technical Data

Type of protection	IP 40
Material	ABS
Color	white, similar to RAL 9003
Dimensions	W: 189 mm H: 131 mm D: 47 mm W: 207 mm H: 149 mm (cover)

Fire Protection Housings F30

Features

- Fire resistance F30, tested in accordance with DIN 4102-2
- Function retention over 30 minutes, in accordance with DIN 4102-12
- Fire load insulation over 30 minutes, in accordance with DIN 4102-11
- Smokeproof
- Integrated mounting rail system to house the FACP IQ8Control
- Cable sealing for bundle feed-in (above)
- Closure via push rod with 2-point locking
- Locking via pivoted lever without locking cylinder
- Heavy-duty fixing straps
- Construction material surface coating A2; non-combustible in accordance with DIN 4102-1
- Ventilation system, including active ventilation via top fans

Fire protection housings permit the installation of a FACP IQ8Control or FlexES Control in accordance with the requirements of the German Fire Conduit Installation Guidelines (MLAR and LAR) of the different Federal German regions in a protected environment.

The duration of the function retention of the electrical line installations for safety installations is at least 30 minutes for:

- Fire alarm systems, including the associated transmission installations
- Systems for alarm signaling and issuing of instructions to visitors and employees, insofar as these installations need to be in operation in the event of a fire.

Fire alarm systems IQ8Control or FlexES Control required under building law, which are operated with alarm signaling equipment, can be operated in these fire protection housings in accordance with DIN 4102-2 with DIBt approval.


The housing forms part of the VdS equipment certification and, as a certified distributor, guarantees a power supply of the alarm signaling equipment beyond 30 minutes.


Other housings do not meet the approval requirements and must not be used.

In addition, the fire protection housing meets the fire load insulation requirements in accordance with §40, paragraph 2, of the MBO (Standard Building Regulations), as a FACP IQ8Control or FlexES Control can also be used in this housing in the required emergency access and escape routes.

A maximum of one FACP IQ8Control or FlexES Control, including transmission unit, can be installed in one fire protection housing.

Since the door of the fire protection housing is always closed in normal operation and therefore the operating level 1 is not accessible in accordance with EN54-2, an FBIP for initial information may be required in consultation with the relevant fire brigade.

 Since the top fan must provide a static air exchange, as a result of which a continuous noise climate of at least 40 dB is generated, installation at permanent workstations must be avoided.

 Fire protection housing, including top fan, mounting frame and fixing material

788033

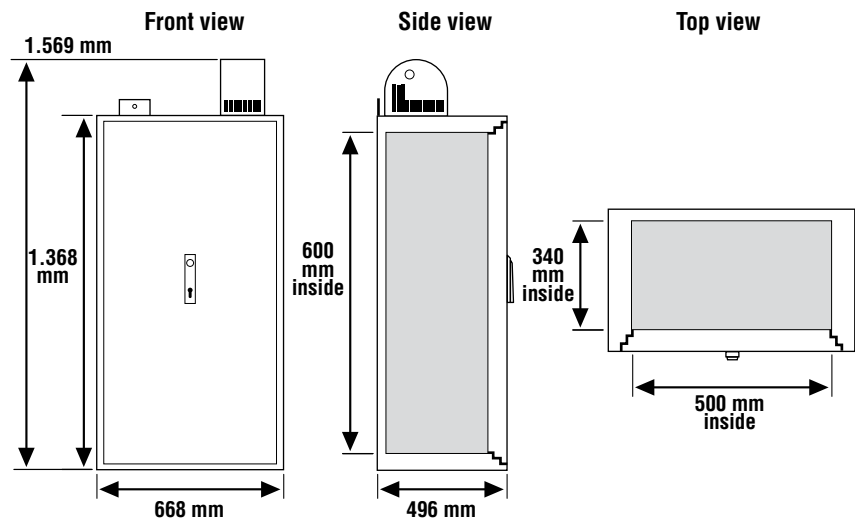


Fire protection housing for wall mounting F30 R

Fire protection housing with "right-hand" door stop for a FACP IQ8Control C/M-, or an FlexES Control (FX2-FX10) for maximum 3 FACP housings.

Technical Data

Color	light gray, similar to RAL 7035
Weight	approx. 135 kg
Dimensions	W: 668 mm H: 1368 mm D: 496 mm (outside) W: 500 mm H: 1200 mm D: 340 mm (inside)



788034

Fire protection housing for wall mounting F30 L

Same as 788033, but for "left-hand" door stop.

Technical Data

Color	light gray, similar to RAL 7035
Weight	approx. 135 kg
Dimensions	W: 668 mm H: 1368 mm D: 496 mm (outside) W: 500 mm H: 1200 mm D: 340 mm (inside)

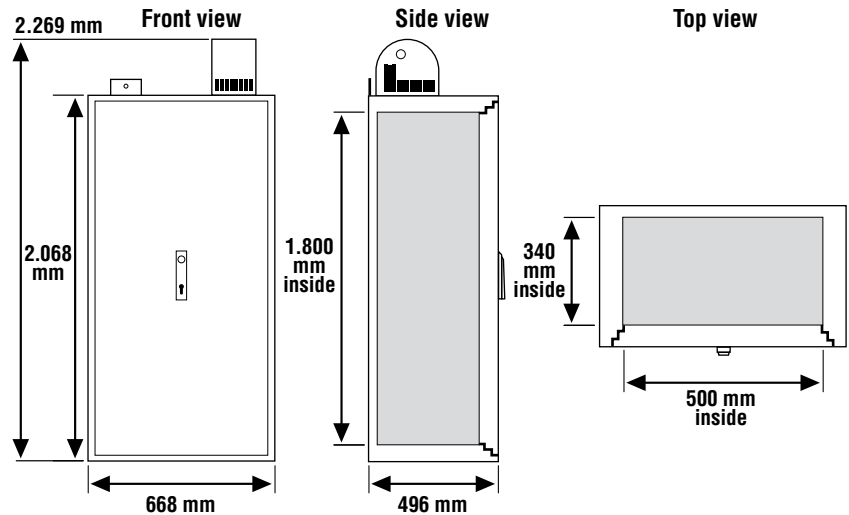
788035

Fire protection cabinet F30 R

Fire protection housing with "right-hand" door stop for a FACP IQ8Control C/M-, or an FlexES Control (FX10-FX18) for maximum 5 FACP housings.

Technical Data

Color	light gray, similar to RAL 7035
Weight	approx. 285 kg
Dimensions	W: 668 mm H: 2068 mm D: 496 mm (outside) W: 500 mm H: 1800 mm D: 340 mm (inside)



788036

Fire protection cabinet F30 L

Same as 788035, but for "left-hand" door stop.


Technical Data

Color	light gray, similar to RAL 7035
Weight	approx. 285 kg
Dimensions	W: 668 mm H: 2068 mm D: 496 mm (outside) W: 500 mm H: 1800 mm D: 340 mm (inside)

788037

Filter cover for air intake

Filter cover for air intake, including filter mats and fastening material
Filter cover for use in areas with increased contamination.
A protection class of IP 54 is achieved after the easy installation on the air intake.

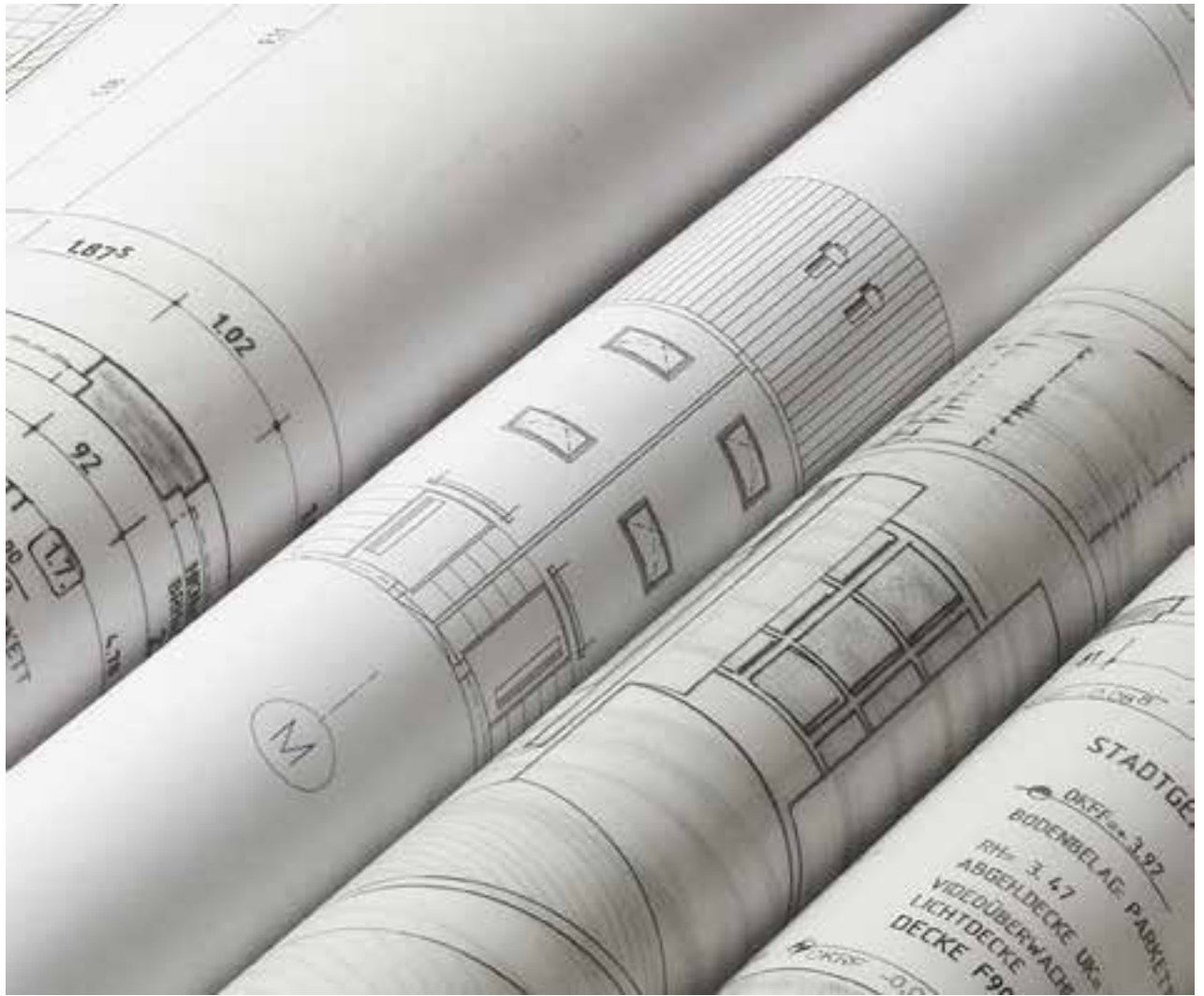
 Suitable for fire protection housing 788033, 788034, 788035 and 788036

798655

Log book for FAS (DE/GB)



Multilingual (German, English) file for fire alarm systems suitable for recording operating states, events and maintenance work, etc.



Appendix

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Planning Guide for Loop Installation

This is a planning guide for loop-powered alarm devices.

The alarm current of each alarm device is defined as a load factor. When added up, the total load factor defines the loop length and the maximum number of alarm devices.

The maximum load factor of all alarm devices may not exceed 96. Altogether up to 127 bus devices per loop can still be connected. The "load factor" download file for easier load factor calculation is available within our customer section at <http://www.esser-system.com>. The examples shown below refer to a wire diameter of 0.8 mm.

The Excel spread sheet for downloading contains as well the maximum powered loop length for wires with a cross section of 1.0, 1.5, 2.5 mm².

Load factors:

Part No.	Type of alarm signaling device	Load factor
802382	O/So optical smoke detector IQ8Quad with isolator.....	2
802383	O2T/F multisensor fire detector IQ8Quad with isolator	2
802384	O2T/So multisensor fire detector IQ8Quad with isolator	2
802385	O2T/FSp multisensor fire detector IQ8Quad with isolator.....	3
802386	O2T/Sp multisensor fire detector IQ8Quad with isolator	3
807205	IQ8Alarm/So signaler with isolator, white.....	3
807206	IQ8Alarm/So signaler with isolator, red	3
807212	IQ8Alarm/F signaler with isolator, amber flash.....	3
807213	IQ8Alarm/F signaler with isolator, blue/green/white flash	3
807214	IQ8Alarm/F signaler with isolator, red flash.....	3
807322	IQ8Alarm/Sp signaler with isolator, white.....	3
807224	IQ8Alarm/FSo signaler with isolator, red.....	3
807332	IQ8Alarm/Sp signaler with isolator, red.....	3
807372	IQ8Alarm/FSp signaler with isolator, red.....	3

Table 1.1: Maximum loop length depending on the total load factor

Maximum powered loop length	Total load factor
up to 700 m	91 up to 96
up to 800 m	85 up to 90
up to 900 m	79 up to 84
up to 1,000 m.....	73 up to 78
up to 1,100 m.....	67 up to 72
up to 1,300 m.....	61 up to 66
up to 1,500 m.....	55 up to 60
up to 1,700 m.....	49 up to 54
up to 2,000 m.....	43 up to 48
up to 2,500 m.....	37 up to 42
up to 3,000 m.....	31 up to 36
up to 3,500 m.....	1 up to 30

Example 1:

How many IQ8Alarm alarm signaling devices with load factor 3.0 can be connected to one analog loop?

Max. total load factor 96 : 3.0 (load factor)= up to 32 pcs. IQ8Alarm devices can be connected
to each loop depending on the loop length (up to 700 m at a wire gauge 0.8 mm)

Example 2:

Various types of alarm signaling devices are connected to one loop:

	Load factor	
4 x 807205 alarm devices with load factor 3.0	= 4 x 3.0	= 12
		+
27 x O ² T/So multisensor fire detector IQ8Quad (802384) with load factor 2.0	= 27 x 2.0	= 54

total load factor = 66

As shown in table 1.1, the maximum loop length for a total load factor of 66 is 1,300 m (at a wire gauge 0.8 mm)

Example 3:

For alarm signaling with sounder, 25 x 802384 IQ8Quad O²T/So detectors are installed - each in one office. What is the maximum loop length?

Load factor for one 802384 IQ8Quad O²T/So detector = 2 (load factor)

25 pcs. IQ8Quad O²T/So x 2 (load factor)






total load factor = 50

As shown in table 1.1, the maximum loop length is 1,700 m (at a wire gauge 0.8 mm)








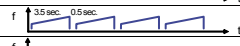


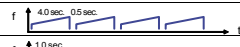








Order Information for Alarm Signaling Devices IQ8Quad and IQ8Alarm - composed combination of other languages and customized version

- The IQ8Quad O²T/FSp multisensor fire detector (Part No. 802385) and the IQ8Alarm "Combi" Speech Alarm (Part No. 802385) can also be ordered with a different combination of languages.

The following five languages are the programmed standard for these speech alarms. The respective languages are assigned with the five standard speech announcements for the IQ8Quad (Part No. 802385) and the IQ8Alarm (Part No. 807372).

Country code acc. to ISO 3166 -Alpha-2	Language code acc. to ISO 639-1	Evacuation 1	Evacuation 2	Alarm	Test message	All-Clear
 Germany (DE)	de	Dies ist ein Feueralarm. Bitte verlassen Sie das Gebäude umgehend über die nächsten Fluchtwege. Die Feuerwehr ist alarmiert.	Achtung, Achtung! Dies ist eine Gefahrenmeldung. Bitte verlassen Sie das Gebäude über die nächsten Ausgänge.	Achtung, im Gebäude ist eine Gefahrensituation gemeldet worden. Bitte bleiben Sie ruhig, und warten Sie auf weitere Anweisungen.	Dies ist eine Testdurchsage.	Die Gefahrensituation ist jetzt behoben. Wir entschuldigen uns für jegliche Unannehmlichkeiten.
 Great Britain (GB)	en	This is a fire alarm. Please leave the building immediately by the nearest available exit.	Attention please. This is an emergency. Please leave the building by the nearest available exit.	An incident has been reported in the building. Please await further instructions.	This is a test message. No action is required.	The emergency is now cancelled. We apologize for any inconvenience.
 France (FR)	fr	Ceci est une alarme incendie, veuillez évacuer immédiatement les locaux par la sortie la plus proche.	Votre attention s'il vous plaît, ceci est une alarme. Veuillez évacuer les locaux par la sortie la plus proche.	Un incident est signalé dans le bâtiment. Merci de garder votre calme et attendez les prochaines instructions.	Ceci est un test.	L'alarme est à présent annulée. Veuillez nous excuser pour le désagrément.
 Spain (ES)	es	Esto es una alarma de incendio. Abandonen por favor el edificio inmediatamente por la salida de evacuación más cercana.	Atención. Esto es una emergencia. Por favor abandonen el edificio por la salida de evacuación más cercana.	Atención, se ha reportado un incidente en el edificio. Esperen por favor otras instrucciones.	Esto es un mensaje de prueba. No se requiere ninguna acción.	La emergencia ha sido cancelada. Pedimos disculpas por las molestias causadas.
 Italy (IT)	it	Attenzione. Allarme incendio. Abbandonare l'edificio tramite l'uscita di emergenza più vicina.	Attenzione. Allarme in corso. Vi preghiamo di recarvi presso l'uscita di emergenza più vicina.	Attenzione. E' stato rilevato un allarme. Ulteriori disposizioni vi verranno comunicate appena possibile.	Attenzione. E' in corso una prova di allarme. Non è richiesta alcuna azione.	Attenzione. Cessato allarme. La situazione di normalità è stata ripristinata.

Standard speech messages of IQ8Quad detectors and IQ8Alarm

No.	Description	Frequency	Pulse rate
1	School bell	complex	complex
2	FP 1063.1 Telecoms BS 5839 Pt1	Alternating 800 / 970 Hz at 2 Hz	
3	BS 5839 Pt1	Alternating 800 / 970 Hz at 1 Hz	
4	BS 5839 Pt1	Intermittent 970 Hz at 1 Hz 0.5 sec.	
5	BS 5839 Pt1	Intermittent 2850 Hz at 1 Hz 0.5 sec.	
6	BS 5839 Pt1	Intermittent 970 Hz 1/4 sec. ON - 1 sec. OFF	
7	BS 5839 Pt1	Continuous 970 Hz	
8	BS 5839 Pt1	Sweep tone 800 Hz tp 970 Hz at 7 Hz	
9	BS 5839 Pt1	Sweep tone 800 Hz to 970 Hz at 1 Hz	
10	DIN Tone DIN 33404 Part 3	1200 - 500 Hz at 1 Hz	
11	French fire sound	554 Hz / 100 ms + 440 Hz / 400 ms + 10 %	
12	NL - Slow Whoop	500 Hz - 1200 Hz at 3.5 sec. break of 0.5 sec.	
13	US - Horn	Continuous 485 Hz	
14	US - Horn with Temporal Pattern	Intermittent 485 Hz (0.5 sec. ON; 0.5 sec. OFF; 3 times; 1.5 sec. OFF; Repeat)	
15	US - March Time	Alternating 485 Hz (0.25 sec. ON; 0.25 sec. OFF; Repeat)	
16	US - Slow Whoop	Sweep tone 500 Hz to 1200 Hz (4.0 sec. ON; 0.5 sec. OFF; Repeat)	
17	US - Siren	Sweep tone 600 Hz to 1200 Hz (1.0 sec. ON, Repeat)	
18	US - Hi/Lo	Alternating 100 Hz / 800 Hz (0.25 sec. ON; Alternate; 0.25 sec. ON; Alternate; Repeat)	
19	US - NFPA Whoop	Sweep tone 422 Hz to 775 Hz (upwards sweep 0.85 sec.; 3 times; 1 sec. OFF; Repeat)	
20	IMO GA-Signal	Intermittent 800 Hz (1.0 sec. ON; 1.0 sec. OFF; 7 times; 2.0 sec. ON; 2.0 sec. OFF; Repeat)	

IQ8Quad detectors and IQ8Alarm tone table

Order Information: Composed Combination of Languages

Up to five languages can be provided per alarm signaling device.

Other combinations of languages can be ordered in accordance with the following order form.

The delivery time is approximately four weeks. Please note that returns or cancellations are not possible.

Order numbers for individual combination of languages

O ² T/FSp multisensor fire detector IQ8Quad with isolator, composed version	802385.SV98
IQ8Alarm/FSp signaler with isolator, red, composed version	807372.SV98
IQ8Alarm/Sp signaler with isolator, white, composed version	807322.SV98
IQ8Alarm/Sp signaler with isolator, red, composed version	807332.SV98
O ² T/Sp multisensor fire detector IQ8Quad with isolator, composed version	802386.SV98



Description:

Individual combination of languages

For example:

Phrase 1 - 5	NL_nl
Phrase 6 - 10	GB_en
Phrase 11 - 15	DE_de
Phrase 16 - 20	TR_tr
Phrase 21 - 25	RU_ru

The message type per language is always the same as mentioned in the chart

"Additional languages for individual combination":

- 1 Evacuation 1
- 2 Evacuation 2
- 3 Alarm
- 4 Test message
- 5 All-Clear

Order Information: Customized Combination of Language

In case you should need customized texts differing from the standard speech messages, additional signal tones or other languages which are not listed in the order form, please contact international sales support.

Order numbers for customized programming of specific announcements/signals

O ² T/FSp multisensor fire detector IQ8Quad with isolator, customized version	802385.SV99
IQ8Alarm/FSp signaler with isolator, red, customized version	807372.SV99
IQ8Alarm/Sp signaler with isolator, white, customized version	807322.SV99
IQ8Alarm/Sp signaler with isolator, red, customized version	807332.SV99
O ² T/Sp multisensor fire detector IQ8Quad with isolator, customized version	802386.SV99



Description:

Customer specific announcements/signals

For example:

Phrase 1 - 5	NL_nl
Phrase 6 - 10	GB_en
Phrase 11 - 15	DE_de
Phrase 16 - 20	TR_tr
Phrase 21 - 25	RU_ru
Phrase 26 - 31	Extra





(customer specific texts / special tones)

Information about delivery time and price of recording customized announcements and signals available upon request. Please note that the maximum recording time is 169 seconds. Also please note that returns or cancellations are not possible.



The programming of speech and/or tone data is carried out at the factory according to your specifications. The programming of the customer data is carried out via the tools 8000 programming software. Please take a look at the relevant instructions in the online help.

Additional Languages for Individual Combination Page 1

Country code acc. to ISO 3166 -Alpha-2	Language code acc. to ISO 639-1	Evacuation 1	Evacuation 2	Alarm	Test Message	All-Clear
SA  Arabia	ar	حريق هناك الانتباه يرجى اقرب الى التوجه الرجاء العيني اخلاء و طواريء مخرج	- - -	في طاريء وقوع عن الإبلاغ تم الانتظار يرجى العيني ارشادات على للحصول	التظام لفحص الرسالة هذه للإزعاج ناسف	الطواريء حالة الغاء تم ازعاج اي عن نعتذر الان
BA  Bosnia	bs	Ovo je požarni alarm. Molimo da odmah napustite zgradu koristeći najbliži raspoloživi izlaz.	Pažnja. Ovo je obavještenje o opasnosti. Molimo napustite zgradu koristeći najbliži raspoloživi izlaz.	U zgradi se dogodio incident. Molimo sačekajte dalja uputstva.	Ovo je poruka za ispitivanje sistema. Možete nastaviti sa vašim aktivnostima.	Opasnost je prestala. Izvinjavamo se radi eventualnih neugodnosti.
BR  Brasil	pt	Atenção. Esta é uma emergência. Por favor, abandonem o edifício pela saída de emergência mais próxima.	Isto é um alarme de incêndio. Abandonem por favor, o edifício imediatamente pela saída de emergência mais próxima.	Atenção foi reportado um incidente no edifício. Aguardem, por favor, outras instruções.	Esta é uma mensagem de teste. Não se requer nenhuma ação.	A emergência foi cancelada. Pedimos desculpas pelos problemas causados.
CN  China Mandarin	zh	请注意！ 请注意！ 现在发生火警， 请保持冷静， 请尽快离开现场！	请注意！ 请注意！ 现在发生火警， 请留意广播， 或注意现场指示！	请注意！ 现在发生紧急事故， 请等待下一步指令。	注意！ 紧急事故已经排除， 谢谢！	现在是系统测试， 请各位无需惊慌。
DK  Denmark	da	Brandalarmen er aktiveret forlad venligst bygningen, anvend nærmeste nødudgang.	Dette er en nødsituation, forlad bygningen brug de opmærkede flugtveje.	Et varsel om brand bliver undersøgt, afvent nærmere besked.	Dette er en test melding ingen tiltag nødvendig.	Normal tilstand er genoprettet, faren er overstået.
FI  Finland	fi	Huomio, kiinteistössä on havaittu automaattinen paloilmotus. Poistu rakennuksesta käyttäen ohjattuja reittejä. Hissien käyttö on kielletty.	Huomio, turvallisuussyistä kiinteistöstä on poistuttava välittömästi. Käytä ohjattuja reittejä.	Huomio, paloilmotus on ilmoittanut mahdollisesta vaaratilanteesta. Tutkimme asiaa ja annamme pian lisätietoja.	Paloilmotinjärjestelmää testataan.	Palohälytys on ohi. Tilanne on palautunut normaalki.
GR  Greece	el	Αυτό είναι ένα μήνυμα συναγερμού για πυρκαγιά. Παρακαλώ εγκαταλείψτε το κτίριο αμέσως από τις εξόδους κινδύνου. Η πυροσβεστική έχει δοπονηθεί.	Προσοχή, προσοχή! Αυτό είναι ένα μήνυμα για κατάσταση κινδύνου. Παρακαλώ εγκαταλείψτε το κτίριο από τις επόμενες εξόδους.	Προσοχή στο κτίριο υπάρχει κατάσταση κινδύνου. Παρακαλώ παραμείνετε ψύχραιμοι και περιμένετε επόμενες οδηγίες.	Αυτή είναι μια δοκιμαστική ανακοίνωση.	Η κατάσταση κινδύνου έχει αρθεί. Ζητούμε συγγνώμη για τυχόν δυσάρεστες καταστάσεις που προκλήθηκαν.
ES  Catalonia	ca	Això es una alarma d'incendi. Siusplau abandonin l'edifici immediatament per la sortida d'evacuació més propera.	Atenció. Això es una emergencia. Siusplau abandonin l'edifici per la sortida d'evacuació més propera.	Atenció. S'ha notificat un incident a l'edifici. Siusplau, esperin altres instruccions.	Això es un missatge de prova. No es requereix cap acció.	L'alarma ha estat cancel.lada. Pregonem disculpin les molesties.
HR  Croatia	hr	Ovo je požarni alarm. Molimo odmah napustite objekt koristeći najbliži izlaz za nuždu. Vatrogasna postaja je alarmirana.	Pozor! Pozor! Ovo je priopćenje o neposrednoj opasnosti. Molimo odmah napustite objekt koristeći najbliži izlaz za nuždu.	Pozor! U objektu je prijavljena opasnost. Molimo ostanite mirni i pričekajte daljnje upute.	Ovo je probno priopćenje. Nikakve mjere nisu neophodne.	Opasnost je prestala. Ispricavamo se radi eventualnih neugodnosti.
NL  Netherlands	nl	Attentie, er is een brandalarm. Verlaat het gebouw via de dichtstbijzijnde uitgang.	Attentie, er is een calamiteit. Verlaat het gebouw via de dichtstbijzijnde uitgang.	Attentie, er volgt een blussing, verlaat de ruimte.	Dit is een testalarm, dit is een testalarm.	Einde alarmmelding, einde alarmmelding.
NO  Norway	no	Brannalarmen er utløst, forlat bygget, bruk de oppmerkede rømningsveiene.	Dette -er en nødsituasjon, forlat bygget, bruk de oppmerkede rømningsveiene.	Et automatisk varsel om brann blir undersøkt, avvent nærmere beskjed.	Dette er en testmelding, ingen tiltak nødvendig.	Normaltilstand er gjenopprettet, faren er over.

Additional Languages for Individual Combination Page 2

Country code acc. to ISO 3166 -Alpha-2	Language code acc. to ISO 639-1	Evacuation 1	Evacuation 2	Alarm	Test Message	All-Clear
 Poland	pl	Uwaga! Wystąpił alarm pożarowy. Proszę natychmiast opuścić budynek najbliższym dostępnym wyjściem ewakuacyjnym.	Proszę o uwagę! To jest komunikat alarmowy. Proszę opuścić budynek najbliższym dostępnym wyjściem ewakuacyjnym.	Uwaga. W budynku wystąpiło zdarzenie alarmowe. Proszę spokojnie oczekiwać dalszych instrukcji.	To jest komunikat testowy. Nie są wymagane żadne działania.	Stan alarmu został odwołany. Przepraszamy za wszelkie niedogodności i utrudnienia.
 Portugal	pt	Isto é um alarme de incêndio. Por favor abandonem o edifício imediatamente pela saída de evacuação mais próxima.	Atenção. Isto é uma emergência. Por favor abandonem o edifício pela saída de emergência mais próxima.	Atenção, ocorreu um incidente no edifício. Por favor aguardem mais instruções.	Atenção, isto é apenas um ensaio	O alarme foi cancelado. Queiram desculpar o inconveniente.
 Romania	ro	Atențiune, atențiune! S-a declanșat o alarmă de incendiu. Vă rugăm părăsiți imediat clădirea pe cea mai apropiată cale de evacuare. Alarma a fost transmisă la pompieri.	Atențiune! Acesta este un mesaj de urgență. Vă rugăm părăsiți clădirea pe cea mai apropiată cale de ieșire.	Atențiune. În clădire a fost semnalat un incident. Vă rugăm să vă păstrați calmul și să așteptați noi instrucțiuni.	Situația de urgență a luat sfârșit. Ne cerem scuze pentru eventualele inconveniente.	Acesta este un mesaj de test.
 Serbia	sr	Ovo je požarni alarm! Molimo vas da odmah napustite zgradu koristeći najbliži raspoloživi izlaz.	Pažnja! Ovo je obaveštenje o opasnosti. Molimo vas da napustite zgradu koristeći najbliži raspoloživi izlaz.	U zgradi se desio incident. Molimo vas da sećekate dalja uputstva.	Ovo je poruka za ispitivanje sistema. Možete nastaviti sa vašim aktivnostima.	Opasnost je prestala. Izvinjavamo se zbog eventualnih neugodnosti.
 Russia	ru	Внимание. Пожарная тревога. Пожалуйста покиньте помещение через ближайшие аварийные выходы.	Внимание. Это предупреждение о пожарной опасности. Пожалуйста покиньте помещение через ближайшие выходы.	Внимание. Поступило предупреждение о пожарной опасности. Пожалуйста сохраняйте спокойствие и ждите дальнейшей информации.	Отмена пожарной тревоги. Ситуация нормализовалась. Извините за причинённые неудобства.	Тестовое сообщение. Идет проверка системы пожарной сигнализации.
 Sweden	sv	Brandlarmet är utlöst, lämna omedelbart byggnaden genom närmaste utgång.	Detta är en nödsituation, lämna omedelbart byggnadengenom närmaste utgång.	Larm om brand i byggnaden blir undersökt, invänta närmare besked.	Detta är ett testmeddelande, ingen åtgärd är nödvändig.	Normalt tillstånd är återupprättat, faran är över.
 Slovakia	sk	Toto je požiarňy poplach. Opusťte prosím okamžite budovu najbližším núdzovým východom!	Pozor, hrozí nebezpečenstvo. Opusťte prosím budovu najbližším núdzovým východom!	V budove bola vyhlásená pohotovosť. Počkajte prosím na ďalšie pokyny.	Toto je testovacie hlásenie. Nie je potrebné naň reagovať.	Pohotovosť bola odvolaná. Ospravedlňujeme sa za prípadné ťažkosti.
 Czech Republic	cs	Toto je požární poplach. Prosím, opusťte okamžitě budovu nejbližším únikovým východem.	Pozor, hrozí nebezpečí. Prosím, opusťte budovu nejbližším únikovým východem.	V budově byla vyhlášena pohotovost. Prosím, vyčkejte dalších instrukcí.	Toto je testovací hlášení. Není třeba na něj reagovat.	Pohotovost je nyní odvolána. Omlouváme se za případné obtíže.
 Turkey	tr	Pohotovost je nyní odvolána. Omlouváme se za případné obtíže.	Acil bir durum var. Lütfen binayı en yakın çıkış noktasından terkedin.	Bu bir yangın uyarısıdır. Bu bir yangın uyarısıdır. Talimatlar için beklemede kalın. Talimatlar için beklemede kalın.	Yangın uyarısı test edilmektedir. Bir şey yapmanız gerekmiyor. Bir şey yapmanız gerekmiyor.	Tehlike geçmiştir. Tehlike geçmiştir. Bir şey yapmanız gerekmiyor.
 Hungary	hu	Tűzriadó! Kérem, azonnal hagyják el az épületet az Önökhöz legközelebb eső kijáraton!	Figyelem! Vészhelyzet! Kérem, azonnal hagyják el az épületet az Önökhöz legközelebb eső kijáraton!	Az épületben váratlan esemény történt. További utasításig kérem várjanak!	Ez egy teszttüzenet.	Vészhelyzet törölve. Az esetleges kellemetlenségéért elnézésüket kérjük.

Order Form for IQ8 Composed Languages

Customer Data

Please fill out the following form for the registration of these data.

Company:	Customer ID:
Street:	Zip Code/City:
Contact Person:	E Mail:
Telephone:	Fax:
Order Number/Order Text:	

Order Combined Version

- 802385.SV98 Quantity _____
- 807372.SV98 Quantity _____
- 807322.SV98 Quantity _____
- 807332.SV98 Quantity _____
- 802386.SV98 Quantity _____

Languages

Choose max. 5 languages	Country Code acc. to Speech ISO 3166	Code acc. to ISO 639-1
<input type="checkbox"/> Arabic	SA	ar
<input type="checkbox"/> Bosnian	BA	bs
<input type="checkbox"/> Brazilian	BR	pt
<input type="checkbox"/> Chinese Mandarin	CN	zh
<input type="checkbox"/> Danish	DK	da
<input type="checkbox"/> German	DE	de
<input type="checkbox"/> English	GB	en
<input type="checkbox"/> Finnish	FI	fi
<input type="checkbox"/> French	FR	fr
<input type="checkbox"/> Greek	GR	el
<input type="checkbox"/> Dutch	NL	nl
<input type="checkbox"/> Italian	IT	it
<input type="checkbox"/> Catalan	ES	ca
<input type="checkbox"/> Croatian	HR	hr
<input type="checkbox"/> Norwegian	NO	no
<input type="checkbox"/> Polish	PL	pl
<input type="checkbox"/> Portuguese	PT	pt
<input type="checkbox"/> Romanian	RO	ro
<input type="checkbox"/> Russian	RU	ru
<input type="checkbox"/> Swedish	SE	sv
<input type="checkbox"/> Slovak	SK	sk
<input type="checkbox"/> Spanish	ES	es
<input type="checkbox"/> Czech	CZ	cs
<input type="checkbox"/> Turkish	TR	tr
<input type="checkbox"/> Hungarian	HU	hu

Repeat Orders or Additions

For repeat orders or additions please give the Order No. or the serial number of the detector with special languages.

Order Number:

Serial Number:

To be filled out by Novar GmbH:
Please forward to Production when filled out!

Order number: _____

Position: _____

Date/Signature

Please send to: Novar GmbH, Dieselstraße 2 E mail: export.neuss@honeywell.com
41469 Neuss, Germany

Order Form for IQ8 Customized Languages

Customer Data

Please fill out the following form for the registration of these data.

Company:	Customer ID:
Street:	Zip Code/City:
Contact Person:	E Mail:
Telephone:	Fax:
Order Number/Order Text:	

Order Combined Version

<input type="checkbox"/> 802385.SV99	Quantity _____
<input type="checkbox"/> 807372.SV99	Quantity _____
<input type="checkbox"/> 807322.SV99	Quantity _____
<input type="checkbox"/> 807332.SV99	Quantity _____
<input type="checkbox"/> 802386.SV99	Quantity _____

Technical Specifications

File with announcements/signals sent to contact person in Neuss/Germany:

Contact Person:

Address:

E Mail:

Sample should be approved by (customer contact details):

Name:

Telephone:

Email:

Address:

Remark:

Take note, these standards have to be followed:

- max. length of all 5 announcements/signals is 25 seconds per file; one IQ8Quad or IQ8Alarm can record 169 seconds in total

Specification for tone recording studio:

- WAVE or AIFF files mono with a sampling rate of 48kHz and a word width of 16-24bits
- Hi-pass: 220 Hz, 12 dB/oct.
- Lo-pass: 5 kHz, 12 dB/oct.
- Multi-band-compressor, 3-band:
 - a. 25 Hz - 350 Hz, - 5,3 dB
 - b. 350 Hz - 5 kHz, - 2,9 dB
 - c. 5 kHz - 18 kHz, - 6,4 dB
- Brickwall-limiter

Info:

Depending on the sound quality we might have to pass it through an EQ, to make some modifications. Additional costs for recording and/or fine tuning will be charged onetime per new file with a first order! Second order with the same file without additional costs!

Repeat Orders or Additions

For repeat orders or additions please give the Order No. or the serial number of the detector with special languages.

Order Number:

Serial Number:

To be filled out by Novar GmbH:
Please forward to Production when filled out!

Order number: _____

Position: _____

Date/Signature

Please send to:

Novar GmbH, Dieselstraße 2
41469 Neuss, Germany

E mail: export.neuss@honeywell.com

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f) Buyer must inspect all goods upon delivery without undue delay and must report i) obvious defects, transport damages, discrepancies and shortages without undue delay, and in no event later than 10 days after delivery, (ii) hidden defects without undue delay, and in no event later than 10 days after detection in writing to Novar. Otherwise all goods will be deemed delivered and accepted, unless Novar fraudulently neglected to disclose such faults. Buyer will return to Novar any goods that are rejected at its own expense. In the event Buyer refuses to accept delivery, Buyer shall be liable for increased costs incurred by Novar in accordance with section 7c).

g) Novar shall retain title in all goods delivered by Novar until payment has been made in full. In the event Buyer has credit with Novar, retention of title shall serve as security for any balance due to Novar.

h) Until title in the goods is transferred to Buyer, Buyer shall treat the goods with care; in particular it shall insure them sufficiently against fire, water and theft at reinstatement value at its own cost.

i) In the event of seizure or any other measure taken by third parties in relation to the goods, Buyer shall notify Novar in writing without undue delay so that Novar can initiate legal proceedings pursuant to § 771 of the German Code of Civil Procedure in order to prevent execution of any court order. If the third party is unable to reimburse the costs incurred in court and out of court of a claim pursuant to § 771 of the German Code of Civil Procedure, Buyer is liable for the damages incurred hereby.

j) Any processing of or alteration to the goods carried out by Buyer shall always be carried out for Novar. If the goods are processed using other items, which do not belong to Novar, Novar shall acquire co-ownership of the new item in the ratio of the value of the object delivered to the other processed items at the time of processing.

k) If the goods are irreversibly mixed using other items, which do not belong to Novar, Novar shall acquire co-ownership of the new item in the ratio of the value of the object delivered to the other mixed items at the time of mixing. If the mixing process takes place in such a way that Buyer's item must be regarded as the principal item the parties shall be deemed to have agreed that Buyer shall transfer shared title to Novar pro rata.

l) Should Buyer sell the goods delivered - whether processed or not - in due course of business, it hereby assigns any claims from selling the goods with all ancillary rights vis-à-vis its customer to Novar.

(m) On good cause Buyer is obliged, if requested by Novar, to inform Novar of any assignment to a third-party purchaser and to give Novar all information required for the assertion of its rights and to hand over any documents.

(n) Should the realizable value of Novar's security exceed the debt claim to be secured by more than 10 % Novar shall release part of the security - at its discretion - at the request of Buyer.

(o) Buyer shall make available in time all equipment and grant access to all facilities which Novar may require to perform any services.

5. TAXES.

The amount of any and all applicable taxes will be added to the price and paid by Buyer, unless Buyer has provided Novar with exemption certificates acceptable to the taxing authorities.

6. FORCE MAJEURE, DELAY.

a) Novar is not liable for any delay in production or delivery of goods if due to a force majeure event, which includes, among other things, shortages or inability to obtain materials or components, or refusals to grant an export license or the suspension or revocation thereof, or any other acts of any government that would limit Novar's ability to perform, fire, earthquake, flood, severe weather conditions, or any other acts of God, quarantines, epidemics, pandemics, or other regional medical crisis, labor strikes or lockouts, riots, strife, insurrection, civil disobedience, armed conflict, terrorism or war (or imminent threat of same), or any other cause whatsoever beyond Novar's reasonable control.

b) If the force majeure event continues for longer than 90 days, either party may terminate Buyer's purchase order. If Buyer terminates the order, Buyer will pay Novar for work performed prior to termination and all reasonable expenses incurred by Novar prior to termination. In the event of delays in delivery or performance caused by force majeure or Buyer, the date of delivery or performance shall be extended by the period of time Novar is actually delayed or as mutually agreed. Any claims for damages, costs or losses howsoever construed shall be excluded.

c) If, for reasons other than the foregoing, Novar should default or delay or not deliver goods, Buyer's sole remedy against Novar is an option to cancel Buyer's purchase order, through prior written notice to Novar. In as far as Buyer incurs damages due to a delivery delay, Novar's liability is limited to 0.5% of the order value of the delayed delivery per week up to a maximum amount of 5% of the order value of the delayed delivery. Buyer is only entitled to claim damages in lieu of performance in accordance with section 11 (limitation of liability).

7. TERMINATION, RETURN OF GOODS.

a) Buyer may not terminate or cancel a purchase order without Novar's prior written consent. Goods scheduled for shipment within 30 days cannot be rescheduled. Goods scheduled for shipment between 30 and 60 days may be rescheduled with Novar's prior written consent and if rescheduled beyond 60 days that quantity may not be further rescheduled. Buyer is nonetheless liable for termination charges, which may include i) a price adjustment based on the quantity of goods delivered, (ii) all costs, direct and indirect, incurred and committed for Buyer's terminated purchase order, (iii) the full cost of all unique materials required for custom goods, and (iv) a pro-rata compensation covering the prorated expenses and anticipated profits consistent with industry standards.

b) Novar may terminate a Buyer's purchase order in whole or in part upon Buyer's breach of these terms and conditions or Buyer's bankruptcy, insolvency, dissolution, or receivership proceedings without any further liability.

c) Returns of goods are only accepted in their original packed and sealed condition within six months after shipment. Software, customized products and products in opened packaging, lacquered and non-reusable parts cannot be returned. Goods can only be returned with an authorization number (RMA) obtained from Novar in advance of shipment to Novar. The RMA is specific to the relevant goods and quantity. Novar reserves the right to i) reject any return of other goods than specified to the RMA or (ii) charge an additional 25 € per return. In case of accepted returns, the purchase price shall be repaid with a deduction of up to 20% for processing, testing, administration and other overheads. The minimum charge for returns is 80,00 € per invoice. This does not affect the purchaser's rights under the product warranty. If the Purchaser withdraws from the Contract and is not entitled to do so, or if the Purchaser refuses to accept the delivery and is unjustified in doing so, the Seller is entitled to 15% of the agreed price as liquidated damages, unless the Purchaser proves that the Seller has not suffered any damage or to a lesser extent reserves the right to claim further damages.

8. INFRINGEMENT INDEMNIFICATION.

a) Novar agrees to i) defend or settle any claim, suit, or proceeding brought against Buyer based solely upon a claim that any goods manufactured and provided solely by Novar hereunder directly infringe any third party German patent, copyright, or maskwork, and (ii) to pay costs and damages finally awarded to the third party, provided that: i) Novar is notified promptly in writing of such claim, ii) Novar is provided sole control of such defense or settlement using counsel of Novar's choice, and, ii) Buyer provides Novar with all available information and assistance. Because Novar has exclusive control over resolving infringement claims hereunder, in no event will Novar be liable for Buyer's attorneys' fees, if any.

b) Novar shall not be responsible for any settlement or compromise of any such third party claim made without Novar's written consent. Novar has no obligation and this Section 8 will not apply to any claim of infringement of any intellectual property right of a third party i) by goods not in Novar's catalog or goods developed pursuant to Buyer's direction, design, process, or specification, (ii) by the combination of any goods with other elements if such infringement could have been avoided but for such combination, (iii) by goods that have been modified if such infringement would have been avoided by the unmodified goods, (iv) by goods not used for their ordinary purpose, or (v) by software if such software is other than the latest version of the software released by Novar and provided to Buyer. Buyer agrees to defend, indemnify, and hold harmless Novar from and against any claims, suits, or proceedings whatsoever arising from such exclusions identified in this Section 8b), unless this is not caused by Buyer's failure.

c) At any time after a claim has been made or Novar believes is likely to be made, or a court of competent jurisdiction enters an injunction from which no appeal can be taken, Novar has at its option the discretion to i) procure for Buyer the right to continue using such goods, (ii) replace or modify such goods in a way that it does not further infringe any third party intellectual property rights and without affecting the functionality of said goods. In the event Novar fails to do so within a reasonable time limit to be set by Buyer, Novar shall accept the return of such goods and refund the purchase price less 20% annual depreciation from shipment date.

d) The foregoing states Buyer's exclusive remedy for any actual or alleged infringement of intellectual property rights. Buyer is only entitled to claim damages subject to section 11 (limitation of liability).

9. SOFTWARE.

a) The use of software, if provided separately or installed on a good supplied, is governed by the following terms unless a software license agreement is included with such software.

b) Subject to Buyer's compliance with these terms and conditions, Novar grants to Buyer a personal, limited, nonexclusive license to use the object code of the software solely for Buyer's internal purposes. The license is limited to such kinds of goods as are specified on Buyer's purchase order, quotation or acknowledgment. No other use is permitted.

c) Novar retains for itself (or, if applicable, its suppliers) all title and ownership to any software delivered hereunder, all of which contains confidential and proprietary information and which ownership includes, without limitation, all rights in patents, copyrights, trademarks, and trade secrets.

d) Buyer shall not attempt any transfer without prior written consent of Novar, sublicense, or redistribution of the software except as expressly permitted herein. Buyer is entitled to copy the software in as far as necessary for the contractual purpose. Buyer is entitled to make back-up copies in as far as necessary. Furthermore Buyer shall not disclose, distribute, or display any such software, or otherwise make it available to others (except as Novar authorizes in writing) or allow any unauthorized use of the software. Buyer is only entitled to reverse compile the software within the scope of § 69c UrhG. Buyer is only entitled to modify, upgrade or alter the software in any other way within the scope of § 69c UrhG.

e) Novar may terminate this license if Buyer breaches fundamental provisions under these terms and conditions. If the software is delivered with a good, Buyer may only transfer its license of the software to a third party in conjunction with the sale by Buyer of the good on which the software is installed.

10. WARRANTY.

a) To the extent permitted by law Novar shall only be liable in accordance with the following warranty conditions, which replace any other warranties or guarantees. Any other claim shall be excluded. In particular (unless otherwise agreed in writing) Novar does not warrant the fitness of the product for any specific use which would not be the use for which the product was designed by its manufacturer.

b) Except as otherwise expressly provided herein, Novar warrants goods in all material respects to be free of defective materials and faulty workmanship and as conforming to applicable specifications and/or drawings. Unless otherwise agreed in writing commencing with Novar's date of shipment, the warranty period shall run for 12 months. Warranty for spare parts is limited to 12 months from delivery.

c) Non-complying goods returned to Novar in accordance with Section 4 f) will be repaired or replaced, at Novar's option, and return-shipped at the lowest cost, transportation prepaid. The costs of transportation to Novar have to be borne by Buyer. In the event Novar fails to repair or replace the non-complying good within a reasonable time limit set by Buyer, Novar shall accept the return of such goods and refund the purchase price less 20% annual depreciation from shipment date. The foregoing states Buyer's exclusive remedy in case of defects. Buyer is only entitled to claim damages subject to section 11 (limitation of liability).

d) If so requested by Novar, the Buyer shall give Novar sufficient opportunity to verify any fault, in particular to provide faulty goods and their packaging to Novar for inspection. If the Buyer refuses, Novar shall not be liable for such defects. No goods will be accepted for return without an authorization number obtained in advance of shipment to Novar.

e) Goods subject to wear and tear or burnout through usage shall not be deemed defective because of such wear and tear or burnout. No warranty shall apply if the defect or damage was caused by or related to installation, combination with other parts and/or products, modification to or repair of any goods other than by Novar, or resulted from Buyer's acts, omissions, misuse, or negligence.

f) Repaired or replaced goods shall be warranted for the remainder of the unused warranty term or for 90 days from shipment, whichever is longer.

g) It is Buyer's responsibility to ensure that the goods are fit for the application in which they are used.

h) Software, if supplied separately or installed on goods supplied, and warranted by Novar, will be furnished on a medium that is free of defect in materials or workmanship under normal use for so long as the hardware and/or system is under warranty. During this period, Buyer has the rights listed in section 10 c) with regard to any defects of the software. Unless stipulated otherwise in a separate software license agreement no further warranty is given in respect of software.

i) If Novar provides any services to the Buyer, including but not limited to training or assistance with configuration and installation of the goods, Novar shall provide such services in accordance with normal industry practice at such rates as may be specified by Novar in its price list from time to time. In case of non-conformance which Novar has been notified of correctly and promptly, Novar will repeat services and/or correct accordingly. To the extent permitted by law Novar accepts no liability to the Buyer arising out of the provision of such services.

j) Novar does not represent or warrant that the goods may not be compromised or circumvented or that the goods will prevent any personal injury or property loss, burglary, robbery, fire or otherwise, or that the goods will in all cases provide adequate warning or protection. Buyer understands that a properly installed and maintained alarm may only reduce the risk of burglary, robbery, fire or other events occurring without providing an alarm, but it is not an insurance or guarantee that such will not occur or that there will be no personal injury or property loss as a result.

k) These warranties are for the benefit of the Buyer only and are not assignable or transferable.

l) Subject to appropriate storage and handling according to the manual Novar grants a guarantee of durability (in the meaning of §443 II German Civil Code) for 24 months from delivery date to the customer. Excluded are device software, consumables and spare parts. At Novar's discretion the product will either be replaced or repaired. Defects which occur within the guarantee period must be reported in writing immediately on detection or if earlier when it should have been recognized.

11. LIMITATION OF LIABILITY.

a) Novar is liable for intent and gross negligence on its part, on the part of its legal representatives and vicarious agents. If Novar has not acted intentionally Novar's liability is restricted to typical, foreseeable damage.

b) Novar shall also be liable in the event of negligent injury to life, body and health caused by Novar, its legal representatives or vicarious agents and in the event of willful failure to disclose a defect. Where a guarantee is provided by Novar, then the extent of Novar's liability is to be determined pursuant to the guarantee declaration.

c) Novar shall also be liable for the negligent failure to comply with any of its obligations that are fundamental to the purpose of the agreement. If Novar has not acted intentionally Novar's liability is restricted to typical, foreseeable damage.

d) Additionally Novar shall be liable in cases of mandatory statutory liability, for example pursuant to the Product Liability Act.

e) Buyer shall indemnify Novar against any claims, damages, losses, costs and expenses incurred by Novar as a result of either claims made against Novar by third parties arising out of the combination or use of the goods with any incompatible ancillary products that may be connected to the goods or any other matter for which Novar would not be liable to Buyer under these terms and conditions.

f) Other than stated herein any liability of Novar is excluded, regardless of the theory of liability, whether based in contract, tort, indemnity or otherwise.

g) Buyer shall notify and consult with Novar without undue delay and comprehensively if it intends to take legal recourse in accordance with the afore-mentioned provision. Buyer has to allow Novar to investigate and examine the damages.

12. RECOMMENDATIONS.

Any recommendations or assistance provided by Novar concerning the use, design, application, or operation of the goods shall not be construed as representations or warranties of any kind, express or implied, and such information is accepted by Buyer at Buyer's own risk and without any obligation or liability to Novar. It is the Buyer's sole responsibility to determine the suitability of the goods for use in the Buyer's application(s). Other than in cases of statutory obligations the failure by Novar to make recommendations or provide assistance shall not give rise to any liability to Novar.

13. LAWS.

a) Buyer will comply with all applicable laws, regulations, and ordinances of any governmental authority in any country having proper jurisdiction, including, without limitation, those laws of the United States or other countries that regulate the import or export of the goods provided by Novar and shall obtain all necessary import/export licenses in connection with any subsequent import, export, re-export, transfer, and use of all goods, technology, and software purchased, licensed, and received from Novar.

b) Buyer shall not sell, transfer, export or re-export any Goods or Software for use in activities which involve the design, development, production, use or stockpiling of nuclear, chemical or biological weapons or missiles, nor use the Goods or Software in any facility which engages in activities relating to such weapons or missiles. In addition, the Goods or Software may not be used in connection with any activity involving nuclear fission or fusion, or any use or handling of any nuclear material until Buyer, at no expense to Novar, has insurance coverage, indemnities, and waivers of liability, recourse and subrogation, acceptable to Novar and adequate in Novar's opinion to protect Novar against any type of liability.

c) Goods and services delivered by Novar hereunder will be produced and supplied in compliance with all applicable laws and regulations in the Federal Republic of Germany. Buyer confirms that it will ensure that all goods are properly installed and used in accordance with the applicable safety at work laws and regulations, and Buyer will indemnify Novar in respect of any costs, claims, actions or liability arising out of that Act, or otherwise arising out of the supply by Buyer or use by others of the goods, unless this is not caused by Buyer's failure.

14. PRECLUSION AGAINST SETOFF.

Buyer is only entitled to set off any amount against any amount due or to become due from Novar to Buyer or its affiliates that are undisputed or final absolute.

15. WEEE.

a) Prices do not include the costs of recycling goods covered by the European WEEE Directive 2002/96/EC and such costs may be added to the prices quoted.

b) Unless a charge has been made therefore under section 15 a) above, if the provisions of the WEEE Directive 2002/96/EC as implemented in any local jurisdiction apply to goods, the financing and organization of the disposal of waste electrical and electronic equipment are with the exception of goods which are b2c as per Novar catalog the responsibility of the Buyer who herewith accepts this responsibility, and Buyer will indemnify Novar in respect of all such liabilities. The Buyer will handle the collection, processing and recycling of the goods in accordance with all applicable laws and regulations, and shall pass on this obligation to the final user of the goods. Failure by the Buyer to comply with these obligations may lead to the application of criminal sanctions in accordance with local laws and regulations.

16. APPLICABLE LAW.

These terms and conditions are subject to the Laws of the Federal Republic of Germany. These terms and conditions are excluded from the United Nations Convention on Contracts for the International Sale of Goods, 1980, and any successor thereto. The competent court at the seat of Novar will have exclusive jurisdiction to adjudicate any dispute related to these terms and conditions.

17. INDEMNIFICATION.

Buyer shall indemnify Novar for all costs and damages, including attorneys' fees, suffered by Novar as a result of Buyer's culpable actual or threatened breach of these terms and conditions.

18. MISCELLANEOUS.

a) The parties may exchange confidential information during the performance or fulfillment of any supply. All confidential information shall remain the property of the disclosing party and shall be kept confidential by the receiving party for a period of 10 years following the date of disclosure. These obligations shall not apply to information which is: (i) publicly known at the time of disclosure or becomes publicly known through no fault of recipient, (ii) known to recipient at the time of disclosure through no wrongful act of recipient, (iii) received by recipient from a third party without restrictions similar to those in this section, or (iv) independently developed by recipient. Each party shall retain ownership of its confidential information, including without limitation all rights in patents, copyrights, trademarks and trade secrets. A recipient of confidential information may not disclose such confidential information without the prior written consent of the disclosing party, provided that Novar may disclose confidential information to its affiliated companies in the sense of §§15ff AktG, and its and their employees, officers, consultants, agents, and contractors.

b) These terms and conditions (including those agreed separately in writing) constitute the entire agreement of Novar and Buyer, superseding all prior agreements or understandings, written or oral, and cannot be amended except by a mutually executed writing.

c) Buyer may not assign any rights or duties hereunder without Novar's written prior consent. Novar may subcontract its obligations hereunder without Buyer's consent. No representation, warranty, course of dealing, or trade usage not contained or expressly set forth herein will be binding on Novar.

d) Headings and captions are for convenience of reference only and do not alter the meaning or interpretation of these terms and conditions.

e) No failure by Novar to enforce at any time for any period the provisions hereof shall be construed as a waiver of such provision or of the right of Novar to enforce thereafter each and every provision.

f) In the event any provision herein is determined to be illegal, invalid, or unenforceable, the validity and enforceability of the remaining provisions shall not be affected and, in lieu of such provision, a provision as similar in terms as may be legal, valid, and enforceable shall be added hereto.

g) Provisions herein which by their very nature are intended to survive termination, cancellation, or completion of supply shall survive such termination, cancellation, or completion.

h) All stenographic and clerical errors are subject to correction. i) These terms and conditions shall confer no benefit on any third party.

19. LANGUAGE

The German language version of these terms and conditions will prevail in case of conflict with any translations provided for convenience purposes.

Neuss, February 2014

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