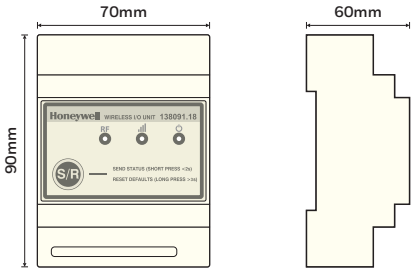
Honeywell

Wireless

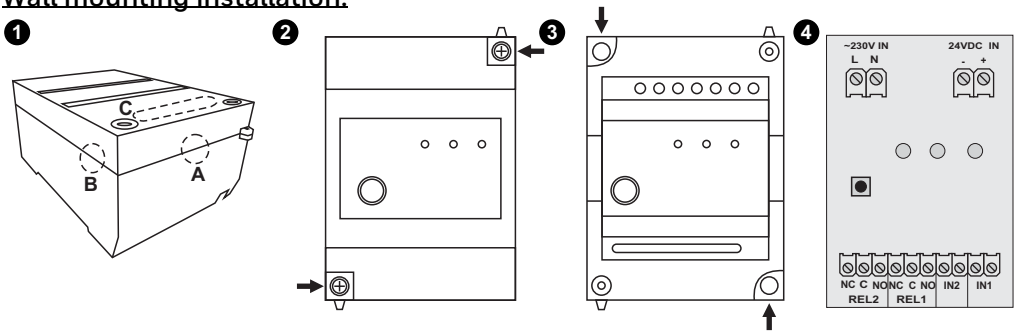
GB

I/O Unit T2

Dimensional drawings:

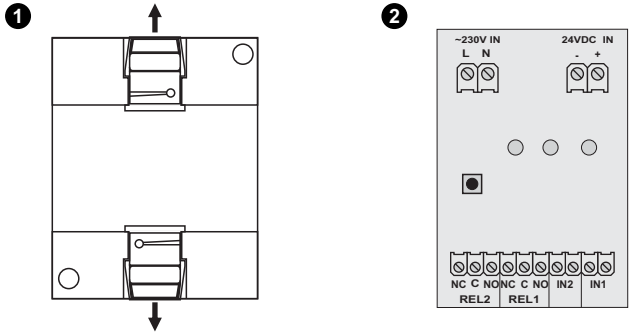


Wall mounting installation:



Step 1. With the screws properly fastened, drill one of the holes A, B or C (fig. 1). If you choose hole A or B the drill size must be 12 Ø and place the glands. If you choose hole C you can drill pattern of the hole. Follow the same step for the other side of the device.
Step 2. Unfasten the 2 screws (fig. 2) and remove the front cover.
Step 3. Drill the 2 holes (fig. 3) and use the mounting accessories to mount the device.
Step 4. Install the cables (and the glands if needed) and perform the electrical connections. (NOTE: Use 1 power input only, either 230 VAC or 24 VDC.)
Step 5. Reinstall the removed parts of step 2 and power on the device.

Installation on a DIN-rail:



In case you want to install the device without the including box:
Step 1. Pull the mounting clips to open and mount the device on the DIN rail.
Step 2. Install the cables and perform the electrical connections.
(**NOTE:** Use 1 power input only, either 230 VAC or 24 VDC.) Power on the device.

GENERAL

The Wireless I/O Unit is a peripheral device, used in a Wireless Emergency Lighting system, to provide co-operation with other systems.

The provided input can be used in combination with other safety equipment, (e.g. fire detection systems), to activate (force) emergency lighting mode to the installed wireless luminaries, while the connected safety equipment is on alarm state (e.g. fire event).

The 2 outputs are used to inform other sequential, safety or informative equipment (e.g. BMS), for the current state of the Wireless Emergency Lighting system (emergency, fault).

More details of the provided inputs / outputs are described below:

Output 1 (REL1):

When at least one wireless luminary has entered emergency mode, the relay output goes to "NO" position, else, on normal mode, "NC" position is active.

Output 2 (REL2):

When there is one (or more) fault(s) currently reported to the Wireless Emergency Lighting (Control software), the relay output goes to "NO" position, else, on normal mode, "NC" position is active.

Input 1 (IN1):

When Input 1 is triggered (circuit closed), a status report is send to the Wireless Emergency Lighting (Control software), which initiates a procedure to start emergency lighting mode to all connected wireless luminaries.

Input 2 (IN2):

Not used.

NOTE: The device's functionality is fully dependent to the Control Software (Honeywell Tela). All event reports and emergency lighting functions are controlled by the software. Ensure that the control equipment (PC) and the software are continuously up and running.

This device will not operate in mains power interruption. To keep this device active under mains power interruption (emergency event), connect it to a UPS power line. This device has three indication LEDs

Left LED (yellow): RF connection status

Steady on: The device has established direct connection to a Gateway Device, and at least one more Gateway Device is available for alternate routing (false condition).

Flashing 5 times per sec.: The device has established direct connection to a single Gateway Device.

Flashing 2 times per sec.: The device has established connection to a Router Device, and at least one more Router Device is available on the same hop level, as an alternate route (redundant connection).

Flashing 1 sec. on / 1 sec. off: The device has established connection to a single Router Device, and no alternatives exist on the same hop level.

No light: The device is disconnected.

Middle LED (yellow): Received signal strength (RSSI)

Flashing 5 times per sec.: RSSI is very good.

Flashing 2 times per sec.: RSSI is good.

Flashing 1 sec. on / 1 sec. off: RSSI is acceptable for reliable communication.

Flashing 2 sec. on / 2 sec. off: RSSI is not acceptable for reliable communication.

Right LED (green): Device status

Flashing 5 times per sec.: The module is in configuration routine.

Flashing 2 times per sec.: The module is working properly.

Button functionality

Short press: A status message will be issued to the gateway device of the wireless network.

Press more than 2 sec.: The device will restore to its factory default settings. This is useful in case of an error setting during wireless network installation.

Technical description	Wireless I/O Unit T2
Part no.	138091.18
Main Voltage	230V AC / 12-24V DC
Standby Consumption	6.1mA / 34.2 - 58.3mA
Inputs	2
Outputs	2, relay 30V/1A, 125V/0.5A
Relative humidity	Up to 95%
Degress of cover protection	IP20
Operating Temperature Range	5 to 40 °C
Construction Materials	ABS/PC
Weight	220gr

At the end of their useful life the packaging and product should be disposed of via a suitable recycling centre.
Do not dispose of with your normal household waste.
Do not burn.

CE