FC-610-001

Fusion Wireless Dual Input/Output Interface Unit

General

The FC-610-001 is a wireless, 868 MHz dual channel input/output unit. It provides a method of interfacing a supervised input or potential free output signal into and out of the fire detection and alarm system in areas where the installation of system wiring is not an option.

The FC-610-001 connects to an FP1200/2000 or 2X series fire panel (CIE) by means of a wireless gateway.

Usage

As an input the FC-610-001 may receive signals from other alarm equipment, e.g. beam detectors, aspiration detectors etc. Used as an output the unit switches equipment controlled by the fire detection system, e.g. air conditioning systems, magnetic door release units etc. Both input and output facilities are available from the same unit and may be operated simultaneously or individually, as programmed at the CIE.

The System

The FC-610-001 communicates with the main control panel via a hardwired gateway that may be installed anywhere on the detection loop. When any input gets an alarm signal it passes it via the wireless interface to the main fire control panel where it is processed. The outputs of the interface provides potential free change over contacts for connecting ancillary equipment and is programmed separately, activated individually or in a group.

High intensity LED indicators positioned on the FC-610-001 may be illuminated by a manually activated push button to identify when the interface has operated, providing clear identification of the signal source.

Installed as part of a FP1200/2000 or 2X addressable system, each wireless device is assigned its own address with which the main control panel communicates with it, providing the same system facilities as directly wired devices.

Power supply

The FC-610-001 is powered by 6 AA alkaline batteries providing up to 5 years of operational life under normal site conditions. The FC-610-001 features battery condition monitoring and reporting.



Details

- Addressable input/output interface unit
- Wireless activation
- Two potential free relay outputs
- Two supervised inputs
- Two-way wireless communication
- Dual band 868 MHz operation
- Third party EN certified

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Technical specifications

General

Status indication	LEDs
Wireless frequency	868 MHz
Compatibility	Fusion gateway FCX-532-001

Electrical

Power supply type	Batteries

Input

Input quantity	2
Input type and rating	Supervised

Output

Output quantity	2
Output type and rating	Potential free, 2A @ 24 VDC
Supervisory voltage	NA
Termination resistor	NA

Physical

Physical dimensions	240 x 120 x 60 mm (W x H x D)
Net weight	950 g
Colour	Cool grey
Mounting type	Surface mount
Cable entries	4
Material	Moulded ABS
Batteries	6x AA Alkaline (Panasonic LR6AD Powerline / Varta 4006 Industrial)

Environmental

Vandal proof	No
Operating temperature	-10 to +55°C
Storage temperature	5°C to 30°C
Relative humidity	< 95% noncondensing
Environment	Indoor
IP rating	IP65

Regulatory

Compliancy	CE, REACH, RED (2014/53/EU), RoHS 2, WEEE
Certification	BOSEC, CPR
Standards	EN54-18, EN54-25 EN54-13

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