FCX-170-001

Fusion Wireless Detector Base

General

The FCX-170-001 is a wireless detector base for use with point type, Fusion wireless detectors. It is ideal for applications where cable interface is difficult to manage or impossible to achieve.

The base connects wirelessly to the Fusion interface unit, which in turn transmits the wireless detector signal to the fire panel hardware loop.

The Range

The Fusion series consists of:

· Optical Smoke Detectors
· Multisensor Smoke Detectors
· A1R Heat Detectors
· CS Heat Detectors
· Sounders in red and white
· Combination Sounder VIDs and VADs
· Manual Call Points
· Interface Modules

Operating Principle

Wireless devices are often installed in buildings where wiring presents a challenge because the fabric of the building or its design is negatively affected by the use of cables. It could also be difficult to introduce cable runs into heritage buildings. It is for these architecturally sensitive buildings that the Fusion series was developed.

Every Fusion device is assigned an address from is base. This address is converted by the Fusion wireless loop interface to a device address similar to a wired device connected directly to the loop wiring.



Details

- Easy to install
- Electronic addressing
- Self-monitoring
- Proven technology
- Eliminates cable installation problems
- Uses 868 MHz radio channels

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Technical specifications

General

Wireless frequency	868 MHz
Compatibility	Fusion gateway FCX-532-001
Connectivity	Wireless
Addressing method	Electronic

Electrical

Power supply type	Batteries
Batteries	6 x AA size Panasonic LR6AD Powerline Varta 4006 Industrial
Operating voltage	3.5 to 4.5 VDC
Current consumption	0.2 to 100 mA
Output transmitter power	< 25 mW (auto adjusting)
Terminals	4

Detection

Monitoring	Battery level, Device removal, Presence

Physical

Physical dimensions	113 x 40 mm (Ø x H)
Colour	White
Mounting type	Ceiling mount
Cable entries	NA
Material (body)	Polycarbonate

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	IP23

Regulatory

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

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