# 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 | Batterie |
| Batteries | 6 x AA size<br>Panasonic LR6AD Powerline<br>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 | Hvid |
| Mounting type | Loftmontering |
| Cable entries | NA |
| Material (body) | Polycarbonat |

### Environmental

| | |
|---|---|
| Vandal proof | No |
| Operating temperature | -10 to +55°C |
| Storage temperature | 5°C to 30°C |
| Relative humidity | < 95% noncondensing |
| Environment | Indendør |
| IP rating | IP23 |

### Regulatory

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

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