# FCX-177-001

## Fusion Wireless Optical Detector

### General

The FCX-177-001 optical smoke detector is an addressable detector to be used with a wireless base. It works on the light scatter principle and is ideal for applications where slow-burning or smouldering fires are likely.

The FCX-177-001 is quick and easy to install by simply fitting to a compatible wireless base.

### 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

- Fire indication LED
- Anti tamper locking mechanism
- FasTest maintenance feature
- Third party EN certified
- Easy to install
- Proven technology
- Self-monitoring

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## Technical specifications

### General

| | |
|---|---|
| Status indication | LED |
| User interface | LED |
| Compatibility | Wireless base FCX-170-001, FCX-191-000, FCX-191-100 or FCX-191-200 |

### Electrical

| | |
|---|---|
| Power supply type | Batteries |
| Operating voltage | 2.8 to 5 VDC |
| Cable specification | NA |

### Detection

| | |
|---|---|
| Detection principle | Optical light scatter |
| Monitoring | Device type, Presence |
| Sensitivity | Selectable |

### Physical

| | |
|---|---|
| Physical dimensions | 113 x 81 mm (Ø x H) - Including base |
| Net weight | 400 g - Including base |
| Colour | White |
| Mounting type | Base mount |
| Material (body) | Polycarbonate |

### Environmental

| | |
|---|---|
| Vandal proof | No |
| Operating temperature | -10 to +55°C |
| Relative humidity | 0 to 95% noncondensing |
| Environment | Indoor |
| IP rating | IP23D |

### Regulatory

| | |
|---|---|
| Compliancy | CE, REACH, RoHS 2, WEEE |
| Certification | BOSEC, CPR |
| Standards | EN54-7<br>EN54-13 |

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