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

FCX-177-001
Fusion Wireless Optical Detector

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 EN54-13

As a company of innovation, Kidde Global Solutions reserves the right to change product specifications without notice. For the latest product specifications, visit firesecurityproducts.com online or contact your sales representative.

Last updated on 2 June 2026 - 12:05