Conventional detector range



The conventional range offers a multi-mode, 5 in 1 detector (FXN922), covering many building needs. It's quick and simple to install with a stylish low profile design. The detector is mounted on our standard conventional base (EFXN520). Each detector is fitted with a 360˚ viewable LED for indication.

This multi-mode detector can be configured to operate as either an optical detector, photo-thermal detector or 1 of 3 heat detector modes (rate of rise and 2 fixed heat models) using the four position switches located at the back of the detector. The FXN922 is certified for use in all 5 modes.

We can also supply separate detectors for each individual mode if they are required. These are displayed in the catalogue numbers in the table over the page.

Features and benefits

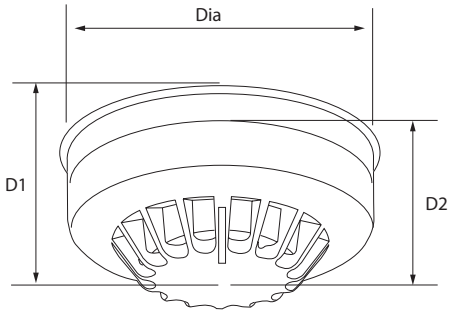
- Offers a range of sensor types
- 360° visibility LED using lightpipe technology
- Drift compensation
- Aesthetically pleasing
- Quick and simple to install
- Wide viewing angle for increased LED visibility
- Positive "lock" indication
- Discreet design for incorporation into any decor
- Easy to maintain/service

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Technical specification

Code	FXN922
Description	Multi-mode detector
Standards	EN54 Part 5 & 7 2001
Supply ratings	
Operating voltage	15V dc to 30V dc
Standby current	30µA (max)
Startup current	340µA (max)
Alarm current	25mA (max)
Fixing information	
Mounting position	Ceiling in open areas
Mounting options	Surface mount with relevant base
Area coverage	100m² (subject to local standards)
System wiring	2 Core
Environmental	
Operating temperature	-20ºC to 75ºC (dependent on setting)
Humidity (non condensing)	0 to 93%
Physical	
Construction	PC/ABS
Colour	White
Dimensions excl base (dia x depth)	104mm x 42mm
Dimensions incl base (dia x depth))	104mm x 55mm
Ingress protection	IP40
Emc	CE Marked
Compatibility	
Suitable for use with	Eaton conventional fire systems

Dimensions



Dia (mm)	D1 (mm)	D2 (mm)
104	55	42

Performance

Feature	Optical smoke mode	Photo-thermal mode	Rate of rise mode	Fixed heat 77 ˚C mode	Fixed heat 92 ˚C mode
Area coverage (subject to local standards)	100m²	100m²	50m²	50m²	50m²
Heat class	N/A	A2S	A1R	BS	CS
Alarm temperature	N/A	60 ˚C	60 ˚C	77 ˚C	92 ˚C

Installation

1. Detectors are fixed and wired via common mounting base.
2. Cable entry into base can be rear or side.
3. A locking facility is provided which can be activated if required to prevent unauthorised detector removal without the use of a special tool.
4. Positive click mechanism incorporated to provide clear indication when detector is correctly located in base.

User interface

1. Red LED to indicate alarm condition.
2. All wiring connections are via a common mounting base (supplied separately).

Catalogue numbers

Description	Model ref.	Order code
Common Detector Base (legacy replacements of MDB800 only)*	EFDB800	EFDB800
Conventional Detector Base	EFXN520	EFXN520
Conventional Heat Sensor (Fixed Heat, 77°C)	EFXN524	EFXN524
Conventional Heat Sensor (Rate of Rise)	EFXN525	EFXN525
Conventional Heat Sensor (Fixed Heat, 92°C)	EFXN526	EFXN526
Conventional Optical Smoke Sensor	EFXN533	EFXN533
Conventional Photo-Thermal Sensor	EFXN632	EFXN632
Conventional 5 in 1 Sensor	FXN922	400017FIRE-0031X

*Please note that legacy Menvier control panels require the Menvier base to provide correct head removal fault indication.