

Multi-Mode Detector FXN922



Red LED, fire condition



Amber LED, drift compensation limit reached



Flashing amber LED, wiring fault



FXN922 multi-mode detector

Overview

The JSB multi-mode detector has 5 different modes within a single detector.

This multi-mode detector can be configured to operate as either an optical detector, opto/heat multi-sensor or 1 of 3 heat detector modes (A1R, BS, CS) using the four position switch located at the back of the detector.

The detector has a dual LED indicator - the red LED is lit continuously to indicate alarm condition, the amber LED when lit continuously indicates that the detector has reached the limit of its contamination compensating ability.

The amber LED can also be pulsed from the panel to locate wiring faults thereby saving time and cost by facilitating the fault finding process.

Features

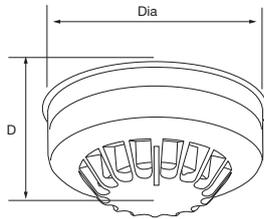
- Drift compensation dual LED
- 360° viewable LED design

Benefits

- 5 modes in 1 detector
- Unobtrusive design
- Common mounting base
- Improved system integrity

Multi-Mode Detector - FXN922

Dimensions

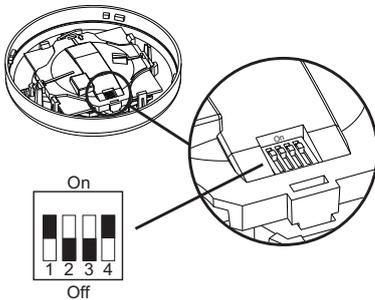


Description	Dia (mm)	Height (mm)
Detector (excl base)	101	42
Detector (Inc base)	104	55

Technical Specification

Code		FXN922
Description	Multi-mode detector	
Standards	EN54 Pt5 & Pt7 2000: A1 2002	
Specification		
Operating Voltage	15V dc to 30V dc	
Standby Current	70µA	
Startup Current (for 20s max)	340µA	
Alarm Current	25mA (max)	
Heat Detector Class (as define by EN54-5:2000)	A1R, BS, CS programmable	
Alarm Temperature (static)	60°C A1R, 77°C BS, 92°C CS	
Visual Indication	Red (alarm) Amber (fault)	
Environmental		
Operating Temperature	-10°C +50°C	
Humidity (Non Condensing)	0 to 93% RH	
Physical		
Construction	PC/ABS	
Colour	White	
Dimensions		
Excluding Base (H x Dia)	42mm x 101mm	
Including Base (H x Dia)	55mm x 104mm	
Weight (excluding base)	78g	
Ingress Protection	IP40	
Compatibility		
Suitable for use with	JSB fire systems	

Switch Settings



Description	SW1	SW2	SW3	SW4
Opto	-	OFF	OFF	OFF
Opto / Heat	-	OFF	OFF	ON
Rate of rise	-	ON	OFF	OFF
Fixed heat BS	-	ON	OFF	ON
Fixed heat CS	-	ON	ON	OFF
HMO	ON	-	-	-
Latching alarm	OFF	-	-	-

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.

Note: For wiring information please see FXN520 base

User Interface

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

Product Codes

Code	Description
FXN922	Multi-mode detector