

EFBW5IN1DET - BiWire Ultra detector 5 in 1



The BiWire Ultra range offers a multi-mode, 5 in 1 detector, approved to both EN54 parts 5 & 7, which covers 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 (FXN520). Each detector is fitted with a 360° viewable LED for indication.

This 5 in 1 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 EFBW5IN1DET is certified for use in all 5 modes.

Features

- Five modes in one detector
- Offers a range of sensor types
- 360° indicator LED using lightpipe technology
- Quick and simple to install
- Easy to maintain/service

Benefits

- Suitable for a broad range of applications
- Wide viewing angle for increased LED visibility
- Positive "lock" indication
- Discreet design for incorporation into any decor

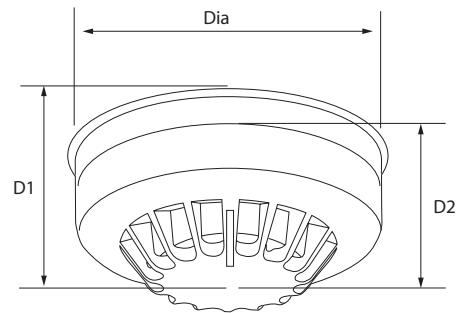
Specifier's guide

4.3 Accessories

Technical specification

| | |
|------------------------------------|--|
| Code | EFBW5IN1DET |
| Description | Detector 5 in 1 |
| 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 FXN520 base |
| Area coverage | 100m ² (subject to local standards) |
| System wiring | 2 Core |
| Environmental | |
| Operating temperature | -20°C to 75°C (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's BiWire Ultra fire system |

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) | 100m ² | 100m ² | 50m ² | 50m ² | 50m ² |
| 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. Amber LED to indicate chamber fault/drift compensation limit.
3. All wiring connections are via a common mounting base (supplied separately).

Catalogue numbers

| Description | Code |
|-----------------|-------------|
| Detector 5 in 1 | EFBW5IN1DET |
| Standard base | FXN520 |