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Illumino Ignis Ltd™
LIGHTING & FIRE DESIGN, SUPPLY & SUPPORT

BiWire Ultra detector 5 in 1

Two-Wire - Devices

Part No. EFBW5IN1DET

www.illuminoignis.co.uk

Product Details

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



Key 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

Technical Specifications

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	100m² (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

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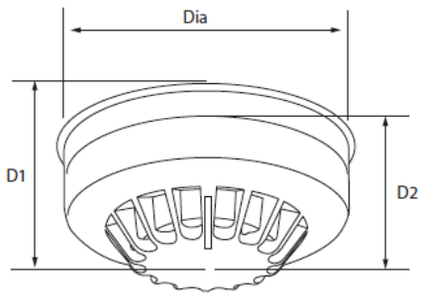
Dimensions



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

Performance

Feature	Optical smoke mode	Photothermal 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. Amber LED to indicate chamber fault/drift compensation limit.
3. All wiring connections are via a common mounting base (supplied separately).

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