

EFBWOPTDET - BiWire Ultra Optical detector



The BiWire Ultra optical detector provides a quick and simple installation with a stylish low profile design for many building needs.

The detector is mounted on our standard conventional base (FXN520). Each detector is fitted with a 360° viewable LED for indication.

The EFBWOPTDET is an optical detector suitable for most applications giving the fastest response to slow burning or smouldering fires which gives rise to large visible smoke particles.

The EFBWOPTDET is a detector, compatible with the BiWire Ultra range of fire panels. This detector is suitable for most applications giving the fastest response to slow burning or smouldering fire which give rise to large visible smoke particles. The optical detector automatically compensates for gradual increase in the scatter signal due to contamination, e.g. dust build up.

These detectors can be instructed to blink their yellow LED every two seconds by a command from the main panel, to aid the search for a break in the zone cabling.

Features

- Low profile optical detector
- 360° indicator LED using lightpipe technology
- Quick and simple to install
- Easy to maintain/service

Benefits

- Suitable for a 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	EFBWOPTDET
Description	Detector
Supply ratings	
Operating voltage	15V DC to 30V DC
Standby current	80µA (max)
Startup current	340µA (max)
Alarm current	20µA (typ)
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
Ambient temperature	-10°C to +60°C
Environmental	
Operating temperature	-20°C to 75°C
Humidity (non condensing)	0 to 95%
Physical	
Construction	PC/ABS
Colour	White
Dimensions excl base (dia x depth)	104mm x 34mm
Dimensions incl base (dia x depth)	104mm x 47mm
Ingress protection	IP40
EMC	CE Marked
Compatibility	
Suitable for use with	Eaton's BiWire Ultra fire system

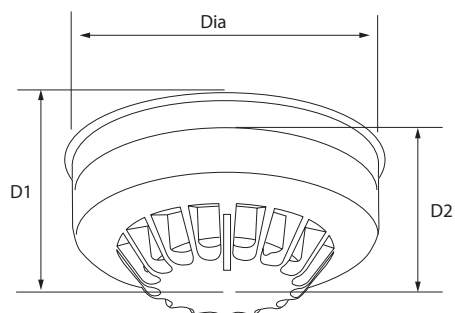
Installation

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).

Dimensions



Dia (mm)	D1 (mm)	D2 (mm)
104	47	34

Catalogue numbers

Description	Code
Detector	EFBWOPTDET
Standard base	FXN520