



Combined Wire-Free Optical and Heat Sensor

- ▶ Analogue/Addressable
- ▶ Proprietary sensor
- ▶ Universal transmitter module
- ▶ 5 Year battery life
- ▶ Detector/Transmitter tamper
- ▶ Ziton sensor alarm management (verification) using dual technology
- ▶ Range in excess of 250 metres



Overview

The dual technology analogue addressable (combined) optical/heat detector is bayonet-fitted to a radio address/transmitter module, incorporating an integral five year energy source and is supplied with a surface mount base unit. Removal of the detector or address/transmitter module will indicate a fault condition.

The heat detector part of the head operates on a highly sensitive thermistor, which measures the actual temperature and rate of rise change. At regular intervals, the detector carries out a self- test that checks and verifies every function.

The optical detection part of the head operates on an advanced light scattering principle, using a wide-angle light beam together with an extra high sensitivity photodiode receiver. The internal polling system checks for smoke particles every five seconds. Initial detection of smoke traces accelerates polling to every two seconds. The alarm is then verified twice to ensure freedom from false alarms.

When used in its combined dual technology verification mode, both heat and optical smoke detection properties have to be activated again with four sensitivity levels, before sending the alarm status to the controller. This makes the sensor a true radio multi sensor.

Specification

PHYSICAL

DIMENSIONS: 106 x 75 mm
WEIGHT: 119g
COLOUR: White

ENVIROMENT:

TEMPERATURE: -10 to 85 degrees C
HUMIDITY: 20 to 95% RH

OPERATION:

Sensitive thermistor measuring actual temperature and rate of rise change optical (light scattering)

SUPPLY:

Five year integral energy source

OPERATING VOLTAGE

TRANSMITTER: 5.5 Volts
PROCESSOR: 3 Volts

OPERATING FREQUENCY: 173.245 Mhz

CHANNEL SPACING: 25 Khz

OUTPUT POWER: 1 mW ERP

OUTPUTS:

Detector alarm
Detector fault
Detector pre-alarm
Battery condition
Call in signal

STANDARDS:

Designed to comply with BS5839 Part 5 and EN54 Part 5

*Order details:
01-R-011*

*For the full range of products and
part numbers please contact us*

Wire-Free Protection Limited, t/a WFP (Fire & Security)

Unit 8 Oaklands Farm Estate
Goatsmoor Lane
Stock
Essex CM4 9RS

Tel: 0845 481 0307 Fax: 0845 481 0309
sales@w-fp.co.uk w-fp.co.uk



This product is intended for use within the United Kingdom under the provisions of Directive 199/5/EC.