

Combined Wire-Free Optical & 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



5000 FirePoint

Overview

The dual technology analogue addressable (combined) optical / heat detector is bayonet – fitted to a radio address / transmitter module incorporating an integral 5 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 5 seconds. Initial detection of smoke traces accelerates polling to every 2 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 a 4 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 |
| ENVIRONMENTAL: | 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: | 5 YEAR INTEGRAL ENERGY SOURCE | |
| OPERATING VOLTAGE: | TRANSMITTER: | 5.5 VOLTS |
| | PROCESSOR: | 3 VOLTS |
| OPERATING FREQUENCY: | 173.245 Mhz | |
| CHANNEL SPACING: | 25Khz | |
| 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 | |

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



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