

ZP732-2

Combination smoke and heat sensor

Wide response range

Designed to provide the earliest response to a wide range of fire types the ZP732-2 sensor combines optical smoke sensing and thermal monitoring to provide an accurate warning of fire. Individual software monitoring of each element measures actual smoke levels, in addition to temperature rates of rise. Smoke sensing can be isolated for areas where ambient smoke may exist at certain times of the day, or used on a day night basis in premises where heat only is required whilst the building is occupied.

Temperature response meets the requirements of European Standard EN 54 Part 5, (Class A1 and A2), with smoke sensitivity complying with EN 54 Part 7 and test procedure CEA4021. Several international approval bodies approve the sensor.



Automatic self test

The smoke element is regularly recalibrated by the panel for contamination and constant sensitivity, self test and selectable alarm verification are all provided automatically by the ZP control panel software. Up to 127 sensing devices can be connected to each of the control panel loops. All loop devices incorporate switch settings enabling them to be assigned a unique address, which is polled by the panel every two seconds. Whilst effective in operation the ZP732-2 is unobtrusive when installed. The low profile moulding makes the unit ideal for both commercial and industrial interiors. A red LED indicator, situated on the sensor moulding, flashes to indicate when the unit is in alarm.

Locking base option

For ease of removal sensors plug into a range of base units by a simple twist and lock action. A site selectable option is provided to lock the sensor into its base. Once applied the unit can only be removed by means of a special tool. Space for address labels is provided on sensor and base mouldings - ensuring units are replaced in their correct location and address numbers can be identified from floor level.

Standard Features

- Senses both smoke and heat
- Heat only facility
- Smoke element complies with EN54 Part 7 and CEA4021
- Heat element complies with EN54 Part 5 Class A1 and A2
- Analogue sensing - reduces false and unwanted alarms
- Addressable - system knows the status and location of every sensor

Specifications

Model No	ZP732-2
Specification	EN54 Pt5 (Class A1 and A2), EN54 Pt7 and CEA4021
Description	Combination smoke and thermal sensor
Compatibility	All ZP analogue systems
Mounting	Plugs into surface base
Wiring	2 core loop or spur
Area coverage	Smoke element - 100m ² , subject to local codes Thermal element - 50m ² , subject to local codes
Monitoring	Open and short circuit fault sensor removal and device type
Detection principle	Smoke - photo electric light scatter, heat - thermistor
Addressing method	7 way DIL switches in head
Indication	Alarm LED (red)
Operating voltage	19.5 to 20.5 volts pulsed address line
Current	600uA quiescent, 700uA alarm
Application	Indoor installation
EN60529 rating	IP32
Temperature range	-10°C to +50°C
Humidity range	20% to 95% RH (non condensing)
EMC	CE compliant
Material	Moulded ABS
Dimensions	106mm (Dia) x 58mm (H) (excluding base)
Height	67mm - from ceiling with ZP7-SB1 surface base
Colour	White
Weight	105g (excluding base)
Publication No	PS1245

Ordering Information

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