Top View

Bottom View

993180-01.cdr

CE

Operating voltage	Pulsed ZP address line 19.5v to 20.5v (maximum 4 volts line drop)
Current (quiescent)	600µA
Current (alarm)	700µA
Environmental:	
Application	Indoor use
Idle operating temperature	
	-10°C to +55°C
Humidity range	20% to 95% RH (non condensing)
EMC	CE compliant
Construction:	
Material	Moulded ABS
Dimensions	106mm (dia) x 58mm (h) (excluding base)
Height	From ceiling with base:
	ZP7-SB1 surface base – 67mm
Colour	White
Weight	105g (excluding base)

Description

The ZP732-2 Combinational Smoke and Thermal sensor responds to visible smoke and temperature change providing an early warning of fire.

The smoke sensor operates on the light scattering principle and is sensitive to all large particle smoke. The thermal sensor operates by means of thermistor technology intended for applications where fluctuations of ambient temperature may be expected.

Temperature response meets the requirements of AS1603 Part 1:1997 (Type B), with smoke sensitivity complying with AS1603 Part 2:1997.

Specification

Model No.	ZP732-2
Description	Combination smoke and thermal sensor
Specification	AS1603 Part 1 and 2:1997
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
	Thermal: thermistor
Addressing method	7 way DIP switches in head
Indication	Alarm LED (red)

Installation Instructions

NOTE: No wiring is required during sensor installation. Refer to base datasheet for line wiring installation. All installation should be in accordance with the requirements of the authority having jurisdiction.

The sensor attaches to compatible bases with a plug-and-twist action.

1. Align the sensor with the base and turn it slowly until the location lugs and grooves mate, allowing the sensor to slide completely into the base.

2. Rotate the sensor clockwise until it locks. To remove the unit from the base, perform these steps in reverse order.

   NOTE: To prevent unauthorized removal, a plastic breakout tab is provided in the sensor housing. Once the breakout tab is removed the sensor can only be released by use of a special tool.

3. Prior to initial testing remove the yellow plastic dust cover from the sensor and notify the proper authorities that the fire alarm system is undergoing maintenance and will be temporarily out of service.

4. An indent is provided on the sensor exterior for application of device address labeling to allow easy sensor identification.

Installation Instructions

Setting the address

The Combinational Smoke and Thermal analogue sensor, contains a 7 way DIP switch. The switch is used to set the device address in binary code. The switch may be set to represent any addresses from 1 to 127.

A switch only represents its coded value (i.e. 1st switch = 1, 2nd switch = 2, 4th switch = 8 etc) position. In the OFF position it represents a zero.

To arrive at the address number of a device, add the representative numbers of all switches which are in the ON position: for example 2+4+32=38.

Warnings

1. This device is intended to be installed in conjunction with and in applications where smoke sensors would be likely to give unwanted alarms and should only be used as part of a broad-based life safety system. For further information consult your local fire protection specialist.

2. Maintenance should be planned in accordance with the requirements of the authority having jurisdiction.