



Product Data Sheet

Z630

Conventional optical smoke detector

Response to slow burning fires

Designed to provide an early response to a wide range of slow burning, smouldering fires the Z630-3 optical smoke detector, provides reliable sensing for most conventional fire alarm applications. The detectors aesthetic design and proven stability in air movements associated with air conditioning systems, have made it an ideal selection for modern building interiors.

The Z630-3 meets fully the sensitivity requirements of European Standard EN 54 Pt 7 and is approved by several international approval bodies.

The detector operates on the light scatter principle, making it effective in applications where fires producing large particle smoke can be expected.

Universal plug in base

Great care has been taken to provide a detector that whilst reliable in operation is unobtrusive when installed. The low profile moulding and options of either surface or recessed bases makes the unit ideal for both modern commercial and industrial interiors, featuring solid or suspended ceilings. A high intensity, red LED indicator situated on the detector moulding provides clear indication when the unit is in alarm. For ease of removal, Z630-3 detectors plug into a range of base units by a simple twist and lock action. In order to prevent unauthorised removal, a site selectable option is provided to lock the detector into its base. Once applied the unit can only be removed by means of a special tool. All Z630-3 detectors can be monitored for detector removal by any conventional Ziton control panel. When a detector (or detectors) is removed from its base, in addition to giving a fault signal, all devices down line of the removed unit (or units) continue to function normally.

High operational reliability

To ensure operational reliability all Z630-3 detectors have mouldings constructed of ABS plastic, feature surface mount technology with all components conformally coated, to seal against dust and moisture.

The Z630-3 optical smoke detector is part of the Ziton Z600 range of conventional trigger devices.



Standard Features

- Complies with EN 54 Part 7 (BS1 base)
- Low profile conventional design
- Head out continuity - all connected devices remain operational even with heads removed (BS5 base)
- Range of surface and recessed bases
- Plug in base with automatic locking

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Specifications

Model No	Z630-3	
Specification	EN54 Pt7	
Description	Optical smoke detector	
Sensitivity	0.1 dB/m	
Compatibility	All ZC conventional systems	
Mounting	Plugs into surface or semi recessed base	
Area Coverage	100m ² , subject to local codes	
Wiring	2 wire zonal	
Monitoring	Z6-BS1/BR1 Open and short circuit by EOL resistor and short circuit and head out by active EOL unit	Z6-BS5/BR5 Open
Indication	Alarm LED (red)	
Detection principle	Photo electric light scatter	
Operating voltage	15 - 30 volts DC	
Current	<60uA quiescent, Max 50mA alarm (limited by panel)	
Application	Indoor installation	
EN60529 rating	IP32	
Temperature range	-20°C to +70°C	
Humidity range	20% to 95% RH (non condensing)	
EMC	CE marked (EEC89/336)	
Material	Moulded ABS	
Dimensions	106mm (dia) x 52mm (h) (excluding base)	
Height	BS1/BS5 surface base - 60mm, BR1/BR5 recessed base - 38mm	
Colour	White	
Weight	100g (without base)	
Publication No	PS1220	

Ordering Information

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