

Designed to provide an early response to a wide range of slow burning, smouldering fires the Z630U-2 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 Z630U-2 meets fully the sensitivity requirements of UL 268.

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

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, Z630U-2 detectors plug into the Z6U 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 Z630U-2 detectors can be monitored for detector removal by any conventional Ziton control panel. When a detector (or detectors) is removed from its base, the panel gives a fault signal.

To ensure operational reliability all Z630U-2 detectors have mouldings constructed of PC/ABS Bend fire retardant plastic, feature surface mount technology with all components conformally coated, to seal against dust and moisture.

The Z630U-2 optical smoke detector is part of the Ziton Z600 range of conventional trigger devices.

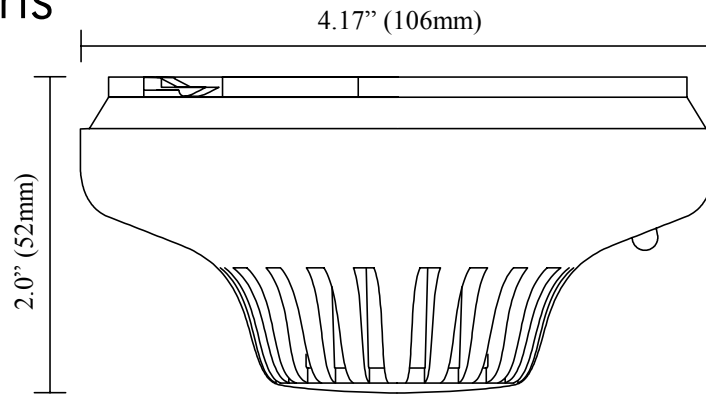


Z630U-2

Conventional Optical Smoke Detector

- **UL approved**
- **Complies with UL 268**
- **Low profile conventional design**
- **Plug in base with automatic locking**

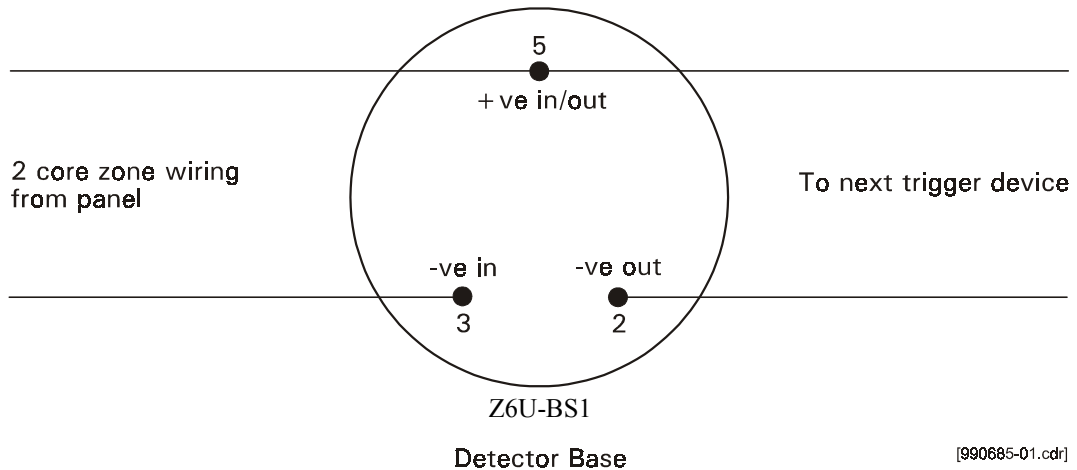
Dimensions



990664.cdr

Note: Dimensions shown without base.

Wiring Schematic



[990685-01.cdr]

Specifications

Model No.	Part No.	Specification	Description	Sensitivity
630U-2	85501	UL 268	Optical smoke detector	1.30 to 2.29 %obs/ft
Approval	UL	Environmental:	Application	Indoor use
Compatibility	As per listed conventional panels	Application	EN60529 rating	IP32
Mounting	Plugs into surface or semi recessed base	Temp range	Humidity range	-4°F to +140°F (-20°C to +60°C)
Area coverage	1075.8 ft ² (100m ²), subject to local codes	Humidity range	EMC	20% to 95% RH (non condensing)
Wiring	2 wire zonal	EMC	Construction:	CE marked (EEC89/336)
Monitoring:		Material	Material	White moulded high impact fire retardant plastic.
Z6U-BS1	Open and short circuit by end of line resistor	Dimensions	Dimensions	4.2" (106mm) Dia x 2.0" (52mm) H (excluding base)
Indication	Alarm LED (red)	Height	Height	From ceiling with surface base: 2.4" (60mm)
Detection principle	Photo electric light scatter	Colour	Colour	White
Operating voltage	15 - 30 volts DC	Weight	Weight	2.9 oz (82g) (without base)
Current (quiescent)	<60μA			
Current (alarm)	Max. 50mA (limited by panel)			

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