

Designed to provide an early response to fast burning fires, the Z610U-2 ionization detector features reliable sensing of both visible and invisible products of combustion, for a range of conventional fire alarm applications. The detectors advanced design and proven response make it effective in risk areas where materials such as oil, spirits, wood or paper may be stored.

The Z610U-2 meets fully the sensitivity requirements of UL 268.

Featuring an advanced dual chamber, single source design, the detectors chamber arrangement automatically compensates for environmental changes such as atmospheric pressure, humidity and ambient temperature.

Great care has been taken to provide a detector that whilst effective 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, Z610U-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 Z610U-2 detectors can be monitored for detector removal by any conventional ZC control panel. When a detector (or detectors) is removed from its base, the panel gives a fault signal.

To ensure operational reliability all Z610U-2 detectors have mouldings constructed of PC/ABS blend fire retardant plastic, and feature surface mount technology with all components conformally coated, to seal against dust and moisture.

The Z610U-2 optical smoke detector is part of the Ziton Z600 range of conventional trigger devices.

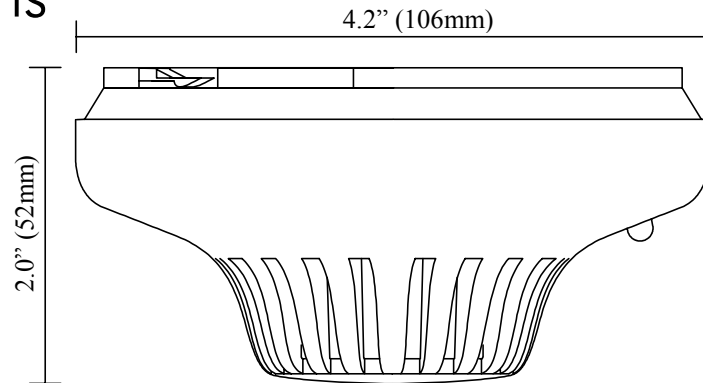


Z610U-2

Conventional Ionization Detector

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

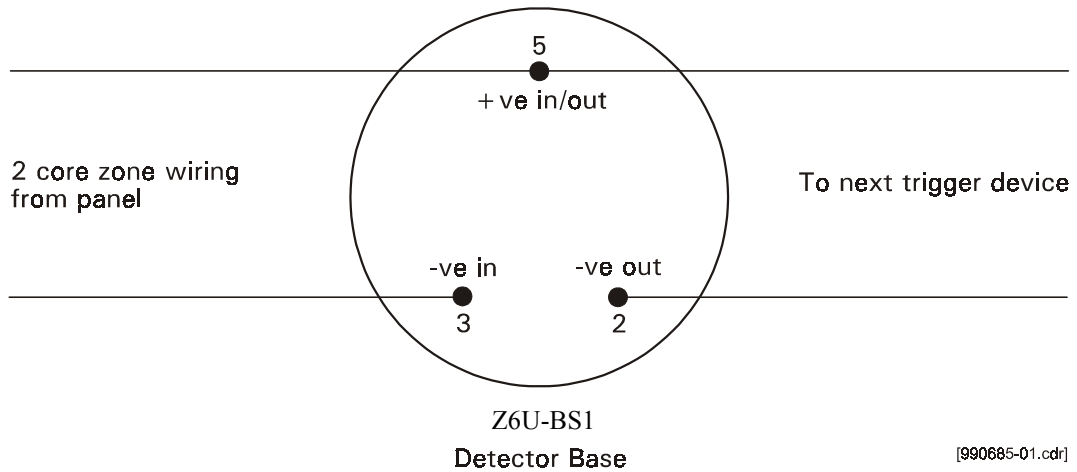
Dimensions



Note: Dimensions shown without base.

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Wiring Schematic



[990685-01.cdr]

Specifications

Model No.	Part No.	Specification	Description	Sensitivity
Z610U-2	85101	UL 268	Ionization smoke detector	0.65 to 1.05 % obs/ft
Approval	UL		Environmental:	
Compatibility	As per listed conventional panels		Application	Indoor use
Mounting	Plugs into surface or semi recessed base		EN60529 rating	IP32
Area coverage	1075.8 ft ² (100m ²), subject to local codes		Temp range	-4°F to +140°F (-20°C to +60°C)
Wiring	2 wire zonal		Humidity range	20% to 95% RH (non condensing)
Monitoring:			EMC	CE marked (EEC89/336)
Z6U-BS1	Open and short circuit by end of line resis tor		Construction:	
Indication	Alarm LED (red)		Material	White moulded high impact fire retardant plastic.
Detection principle	Dual chamber ionization, source <1 μC Am241		Dimensions	4.2" (106mm) Dia x 2.0" (52mm) H (excluding base)
Operating voltage	16.5 to 30 volts DC		Height	From ceiling with surface base : 2.4" (60mm)
Current (quiescent)	60μA		Colour	White
Current (alarm)	Max. 50mA (limited by panel)		Weight	3.7 oz (105g) (without base)

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