

The Z6-BR1 detector base, allows any Z600 conventional detector to be removed or replaced without disconnecting wiring from detector terminals. Detectors plug into the base units with a simple twist and lock action, allowing quick and easy removal for cleaning and servicing, or reselection of detector type should the usage of the protected area change.

Designed for systems where head out continuity is not a requirement, detector line monitoring is provided by a suitable end of line resistor, connected across the out terminals of the final device in the circuit.

Forming an integral part of the overall detector assembly, the base is provided with slots for screw fixing to either surface wiring plates, or conduit boxes with screw fixing centres between 50mm and 90 mm.

Bases feature robust wiring terminals with captive clamping washers to ensure secure wiring termination. The bases are of shallow design with ample space to accommodate cables of all types. Terminals are provided inside the moulding for the connection of a remote LED when required.

In order to prevent unauthorised removal of a detector from its base, an automatic locking breakout is incorporated into the interior of all detector mouldings. If the breakout is removed, detectors can then only be released from their bases by use of a Ziton detector head picker (Z-PH-2). The locking facility is an easily applied option, often taken on site, at the systems commissioning stage.

For systems complying with the recommendations of BS 5839 Pt1:1988, where the removal of a detector from its base must not effect the operation of devices wired further down the line, the Z6-BR5 base should be installed, (Publication PS1310.1).

The base has been designed to comply with the recommendation of BS5839 Pt1: 1988, in that the distance from the middle of the sensing element entry aperture to the ceiling is greater than 25mm.

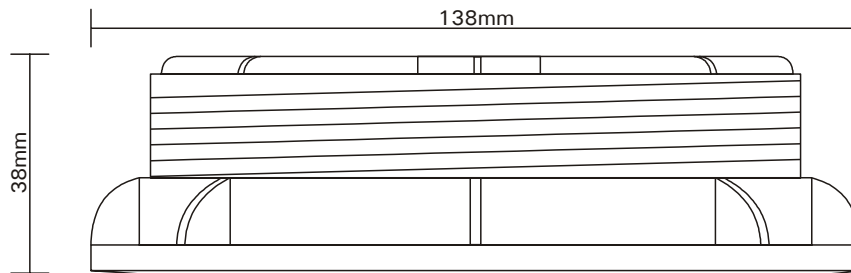


Z6-BR1

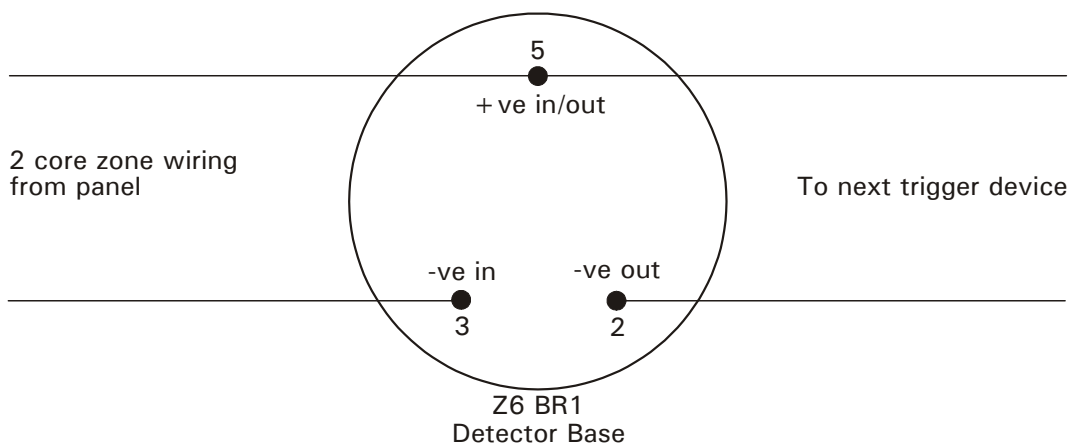
Conventional Recessed Detector Base

- **Architecturally pleasing low profile design**
- **Common to all Z600 series detectors**
- **Automatic locking option**
- **Ease of installation**

Dimensions



Wiring Diagram



Specifications



Model No.	Part No.	Specification	Description
Z6-BR1	21001	EN54 (with relevant sensor)	Conventional detector base
Compatibility	All ZC conventional systems	Environmental:	
Mounting	Recessed	Temp range	-10°C to +75°C
Wiring	2 wire zonal - open circuit monitored Terminals for remote LED	Humidity range	20% to 95% RH (non condensing)
		EMC	CE marked (EEC89/336)
		Construction:	
Monitoring:		Material	Moulded ABS
Z6-BR1	Open and short circuit by end of line resistor	Dimensions	138mm (Dia) x 38mm (H)
		Height	38mm (with detector)
		Colour	White
		Weight	110g
		Ceiling clearance (all detector types)	The distance from ceiling to the middle of the sensing element entry slots is >25mm as recommended by BS5839 Pt1: 1988

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