

Designed to provide short circuit protection for loop wiring, ZP760-2 line isolators divide the loop into monitored sections. A maximum of 16 isolator units can be connected along each ZP loop, which together with isolators at the beginning and end (internal to the panel), enable each loop to be divided into a maximum of 17 monitored sections.

The ZP760-2 is intended for use on a "Class-A" return loop wiring configuration. Either 1 zone or up to 20 detectors or devices (some standards permit up to 32) are located between each pair of loop isolators. In the event of a short circuit fault the isolators on either side of the fault will disconnect the section of cable between them. Devices outside the disconnected section will continue to operate normally.

In the event of an open circuit fault on the loop wiring, the control panel operates from both ends, running the line as two spurs and retaining full connection to all devices. Isolators do not require addresses, therefore allowing up to the full system capacity of 127 line devices on each ZP loop.

Meeting the recommendations for system monitoring in BS 5839 Part1:1988 the ZP760-2 line isolator is approved by several international approval bodies.

For ease of removal, isolators plug into either surface or recessed bases. The ease of isolator removal is often an important factor during system commissioning, as it allows sections of wiring to be conveniently isolated prior to the loop being fully powered up section by section, without the continual disconnection and reconnection of wiring from isolator terminals. Once in service, isolators are locked into their base units.

ZP760-2 isolators are unobtrusive when installed. Housed in a low profile moulding and installed using either the surface or recessed base, the unit is suitable for either wall or ceiling mounting. An optional lock is provided to lock the isolator into its base, preventing removal without a special tool. A red LED indicator situated on the isolator moulding flashes to indicate when the unit is in operation.

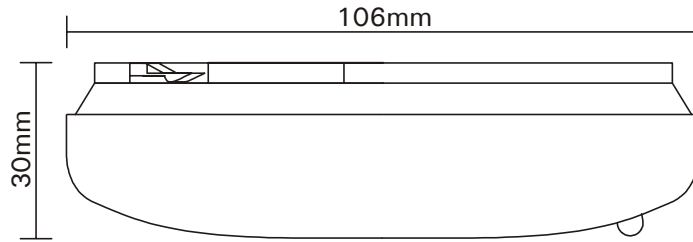


ZP760-2

Line Isolator Unit

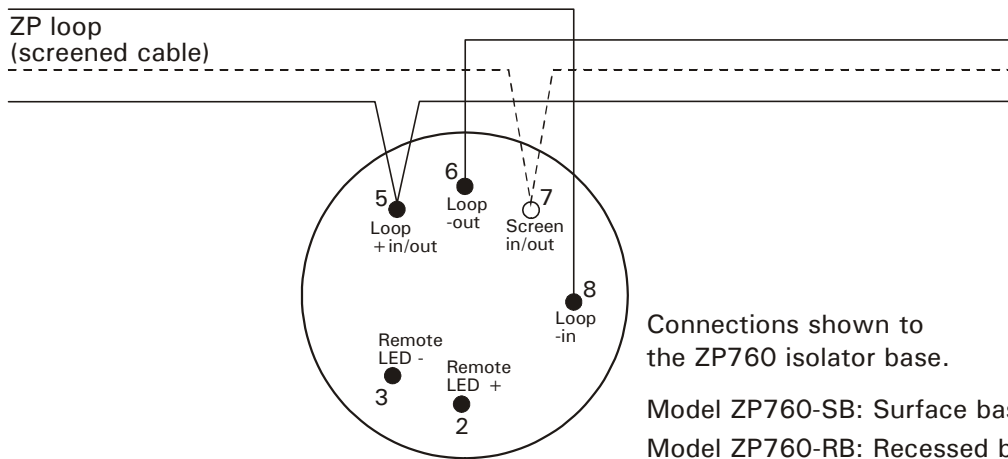
- **Provides short circuit loop protection**
- **Surface and recessed bases**
- **Optional base lock**
- **Meets the recommendations of BS 5839 Pt1:1988**

Dimensions



Note: Dimensions shown without base

Wiring Schematic



Specifications



Model No.	Part No.	Compatibility	Description	Function
ZP760-2	19110	ZP systems	Line isolator unit	Short circuit protection
Compatibility All ZP analogue systems		Environmental: Application Indoor use EN60529 rating IP52 Temp range -10°C to +75°C Humidity range 20% to 95% RH (non condensing) EMC CE marked (EEC89/336)		
Mounting Plugs into surface or semi recessed base		Construction: Material Moulded ABS Dimensions 106mm (Dia) x 30mm (H) (excluding base) Height From ceiling with base: ZP7-SB1 surface base - 40mm ZP7-RB1 recessed based - 18mm		
Wiring 2 core "Class-A" return loop Total loop = 75 ohms maximum Between isolators = 18 ohms maximum See ZP wiring guide GA 322		Colour White Weight 80g (without base)		
Monitoring: Loop Short circuit protection Indication LED (red) Operating voltage 16-22 volts DC Current (quiescent) 600µA Current (fault) 800µA Addressing method Soft addressed (does not require an address number)				

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