

177401

ZP755R-2R ROOM SNDR C/W COVER

General

The ZP755R-2R is a RED, addressable loop powered room sounder or us on ZP fire alarm systems. The ZP755R-2R combines a detector base and audible sounder in a single stylish moulding.

The ZP755R-2R is developed for applications in individual rooms, sleeping accommodation or small compartments where it is impractical or unnecessary for the sounder and detector to be combined. Installed directly onto a ZP7 wiring loop - the ZP755R-2R enables the system designer to offer a complete addressable system on a single pair of wires. Installation costs are greatly reduced, whilst system integrity, sounder options and programmed alarm organisation are significantly increased. Time on site is further reduced as the moulding plugs directly into a first fix base – eliminating the need for any wiring directly to the device.

Advanced acoustic design

High efficiency acoustic design and a low energy, sound gun transducer, enable combinations of up to 60 sensors and 60 sounders to be connected to a 1km loop of 1.5mm² cable. In systems where loop lengths or current requirements are excessive, the ZP755R-2R sounders can be locally powered from an external power supply.

Output Test and Tone Selection

The ZP755 range of notification devices features a unique self-test facility which is automatically activated during routine sounder testing. A built in microphone circuit measures sound output level and automatically signals the sounder address and location to the control panel, should the output test fail.

Continuous, intermittent and two-tone outputs are available from which any combination can be chosen to provide alert and evacuate for two stage alarms. Sound types comply with most international codes (e.g. BS 5839 Part 1 recommended frequencies). The ZP755R-2R features a sound output of up to 90dBA and a volume control for areas where a reduced sound output is required.



Details

- Powered directly from the ZP loop
- Up to 60 detectors and 60 sounders directly on the loop wiring
- Plug in base – no direct wiring connections
- High efficiency sound gun transducer
- Wide range of international sound types and frequencies
- EN54:3 Approved and CPR certified

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Technical specifications

Electrical

Operating voltage	Loop 19.5 to 20.5 V
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Sounder

Sound output (tone dependant)	<70 dB(A)
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Sound types	User configurable
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Physical

Physical dimensions	127 x 69 mm (Ø x H)
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Net weight	205 g
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Colour	Red
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Material	Moulded thermoplastic
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Dimensions (dia x h)	127 x 69mm
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Weight	205g
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Material	Moulded thermoplastic
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Colour	Red
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Environmental

Operating temperature	-10 to +60°C
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Storage temperature	-20 to +70°C
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Environment	Indoor
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IP rating	IP21C
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Application	Indoor
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IP rating	IP21C
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Operating temperature	-10°C to 60°C
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Storage temperature	-20°C to 70°C
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RH range (noncondensing)	10 to 95%
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Standards & regulation

Certification	EN54-3
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Compatibility

All ZP7 addressable systems

Mounting

Surface mount with plug in base - SPB-2R (White)

Operating voltage

Loop powered	19.5 - 20.5V
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Externally powered	18 - 30VDC
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Loop current

Quiescent (when loop powered)	820µA
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Active (when loop powered)	4.5mA
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Quiescent (when externally powered)	470µA
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Active (when externally powered)	500µA
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Devices per loop (max)

60 (1km loop of 1.5mm ² cable, 50 m to first device)

Wiring

2 core loop

Monitoring

Open/short circuit, sound output, removal, device type
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Addressing method

7 way dipswitch

EMC

CPR certified

