

ZP755BV-4W

Addressable detector base sounder/beacon

Audible and visual warning from a single unit

The ZP755BV-4W is an addressable, loop powered sounder/beacon base in WHITE for use on ZP fire alarm systems. The ZP755BV combines a sensor base, audible sounder and high intensity beacon in a single stylish moulding. It offers both audible and visual warnings from a single, addressable, loop wired unit.

Providing an elegant solution for areas where the installation of a separate sensor, sounder and beacon would prove expensive, both in equipment value and system wiring costs, the unit meets the requirements of most local disability legislation. Installation time is further reduced as the moulding plugs directly onto a first fix base, eliminating the need for any internal connections.

The ZP755BV is perfectly suited for any location involving high levels of background noise.



Low current sound gun and visual element

Independent addressing for the sensor and alarm facilities is featured, with sound levels conforming to EN54 Part 3 and clear visual indication provided by a high intensity LED array positioned inside the base moulding.

High efficiency acoustic design, a low energy sound gun transducer and a low current visual element enables up to 30 sensor sounder beacon combinations to be connected to a 1 km loop of 1.5 mm² cable, with a wiring run of 50 m to the first device.

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

External power supply option

The ZP755BV may be used with other ZP loop equipment in any combined application subject to maximum loop loading. In systems where loop lengths or current requirements are excessive, the ZP755BV may be powered directly from an external power supply.

With a sound output of 90 dB(A), continuous, intermittent and two-tone audible outputs are available. The volume setting can be reduced for areas where a lower sound level is required.

Standard Features

- Sensor, sounder and beacon from a single wiring point – minimising installation costs
- Powered directly from the ZP loop
- Separate addresses selectable for sensor and sounder beacon
- Up to 30 units directly on the loop
- High efficiency sound gun transducer
- Plug in base – no internal connections
- Wide range of international sound types and frequencies

Specifications

Model No	ZP755BV-4W
Specification	EN54 Part 3
Description	Addressable detector base sounder/beacon
Compatibility	All ZP systems *
Mounting	Surface with plug in base - SPB-2W (White)
Wiring	2 core loop
Monitoring	Open and short circuit fault, sound output - self test facility
Operating voltage	
Loop	19.5 - 20.5 VDC
External supply	18 - 30 VDC
Operating current	
Quiescent	500 microA
Active	6 mA
Sounder	
Sound output	90 dB(A)
Sound types	Continuous - 980 Hz, intermittent - 980 Hz 0.5 s on/off, dual tone - 980/670 Hz 0.5 s each. See installation sheet for full international tone range
Beacon	
Light source	Red LED array
Light output	< 1J
Flash frequency	1 every 1.1 s
Max number	30 per 1 km loop (1.5 mm ² cable, 50 m to first device)
Application	Indoor installation
EN60529 rating	IP21C
Temperature range	-10°C to 70°C
Humidity range (at 40°C)	10% to 95% RH (non condensing)
EMC	CPD certified
Material	Moulded thermoplastic
Dimensions	127mm (Dia) x 47mm (D)
Colour	White
Weight	156g
Publication No	501-1789ZE
* Note	Sound options may vary for ZP5 and ZP3 systems with early software versions.

Ordering Information

Part No.	Description
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