ZP755HAV-2P

Horn sounder. with visual indication. PW

General

The ZP755HAV-2P is a POLAR WHITE, ZP7 Series addressable sounder with visual indicator for use with Ziton addressable fire detection systems. Disability legislation increasingly requires visual alarm signals to be employed to ensure equal response from people with hearing impairment. ZP755HAV-2 devices are perfectly suited for this application and any application involving high levels of background noise. It provides both audible and visual warnings from a single, addressable, loop wired unit.

The ZP755HAV-2 minimises the number of installation points required throughout a building, significantly lowering the capital value of equipment and the loop wiring costs of the completed system. Installation time and costs are further reduced as the device plugs directly into a first fix base eliminating the need for any internal connections.

Self test facility

High efficiency acoustic design and a low current LED visual element enables up to 20 sounder beacons to be connected to a 1 km loop of 1.5mm² cable with a wiring run of 50 m to the first device. The range features a unique self test facility - 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.

In systems where loop lengths or current requirements are excessive, the ZP755HAV-2 can be powered directly from an external power supply.

Range of sound outputs

Continuous, intermittent and two-tone audible outputs are available from which any combination can be chosen to provide alert and evacuate, two stage alarms. All sound types comply with BS5839 Part 1 recommended frequencies.

The ZP755HAV-2 produces a sound output of up to 92 dBA. A volume control is included for areas where a reduced sound output is required.

Moulded in high impact thermoplastic, the sounder beacon is available in either red with red lens, or white with clear lens, both illuminating red.

Details

- Powered directly from the ZP loop
- Up to 20 devices directly on the loop wiring
- Low current LED based visual element
- High efficiency sound gun transducer
- Plug in base – no direct wiring connections
- EN54:3 Approved and CPR certified

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Technical specifications

Electrical

Operating voltage	Loop powered: 19.5 to 20.5 V Externally powered: 18 to 30 VDC

Sounder

Sound output (tone dependant)	<90 dB(A)
Sound types	User configurable

VID

Flash frequency	0.8 Hz 48 flashes/min

Physical

Physical dimensions	127 x 113 mm (Ø x H)
Net weight	305 g
Colour	Polar white
Material	Moulded thermoplastic

Environmental

Operating temperature	-10 to +60°C
Storage temperature	-20 to +70°C
Relative humidity	10 to 95% noncondensing
Environment	Indoor
IP rating	IP21C

Regulatory

Certification	EN54-3

Compatibility

	All ZP7 addressable systems

Mounting

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

Loop current

Quiescent (when loop powered)	820µA
Active (when loop powered)	9.6mA
Quiescent (when externally powered)	470µA
Active (when externally powered)	500µA

Devices per loop (max)

	20 (1km loop of 1.5mm² cable, 50 m to first device)

Wiring

	2 core loop

Monitoring

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

Addressing method

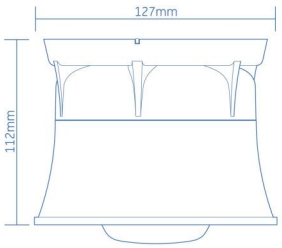
	7 way dipswitch

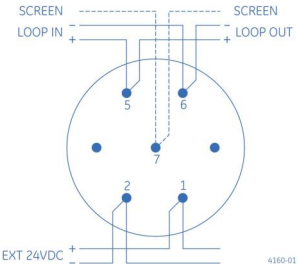
Visual indicator

Light source	Red LED array
Light output	1J

EMC

	CPR certified





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