

ZPW767R

ZPW767R Weatherproof Wall Mount Sounder/VAD (RED body, RED flash)

General

The ZPW767R is a ZP7 series, Ziton protocol addressable RED sounder with a built in visual alarm device (VAD), the latter approved for wall mount applications. The VAD features a clear lens with red LED element. The ZPW767 incorporates a switch setting allowing it to be assigned a unique address on a Ziton fire panel loop.

With its durable design, high sound output and VAD designed for installation up to a height of 2.4 m, the ZPW767 ensures reliability and is suitable for a variety of applications.

Sounder & VAD Combinations

Installed directly onto and powered by the ZP wiring loop, the ZPW767 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. Installation time costs are further reduced as the device connects directly into a first fix base.

The ZPW767 provides synchronized audible and visual warnings from a single, loop wired unit.

Current Consumption & System Loads

High efficiency acoustic design and a low current VAD enables multiple ZPW767 devices to be connected to a fire panel loop. Depending on system requirements the ZPW767 may be set to use less power, both in sound as well as VAD output. The flash frequency may be set to 0.5 Hz (1 flash every 2 seconds) instead of 1 Hz (1 flash every second) in instances where consumption needs to be reduced. In systems where loop lengths or current requirements are excessive, the ZPW767 may be powered from an external, EN54:4 approved power supply that will automatically be supervised by the ZPW767.

Sound Options

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 recommendations. The ZPW767 produces a sound output of up to 97 dB(A).



Details

- Compatible with Ziton addressable fire panels
- Connection layout with easy wiring and connection on installation
- Powered directly from the ZP loop for small installations, or externally when many units are required
- Fully addressable
- LED technology for long service life and low current consumption, maximizing the number of devices on a loop
- Unique optics for light management with a lens design that optimizes light dispersal, minimizing power wastage
- Up to 7.5 m coverage diameter, reducing the number of devices required to cover an area
- Coverage switch feature - for smaller areas switch down from 7.5 m to 2.5 m, reducing power consumption and saving up to 50%
- Flash rate switch feature, reducing the power consumption by up to 50%
- Soft start up for reduced current peak at start up, reducing circuit loading
- Locking base to prevent easy removal of device
- 8 Selectable tones with 4 selectable output levels
- IP66 rated for ingress protection in harsh environments
- EN54-3 and EN54-23 approved and CPR certified

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Technical specifications

General

Addressing method	7 way dip switch (1 of 127 addresses)
Wiring	2 core loop
Monitoring	Open/short circuit, removal, device type, external power, sound output
Devices per loop*	<25
	1 km loop of 1.5 mm ² cable and depending on loop configuration, device setting and power selection

Electrical

Operating voltage	15.5 - 20.5 V (loop powered) 18 - 28 VDC (externally powered)
Current consumption	<750 µA (Quiescent, loop powered) <26 mA (Active @ 0.5 Hz on low power, loop powered) <42 mA (Active @ 0.5 Hz on high power, loop powered) <38 mA (Active @ 1 Hz on low power, loop powered) <74 mA (Active @ 1 Hz on high power, loop powered) <600 µA (Quiescent, externally powered) <6 mA (Active, externally powered)
Current Consumption from AUX PSU	<300µA (Quiescent) <15 mA (Active @ 0.5 Hz on low power) <27 mA (Active @ 0.5 Hz on high power) <23 mA (Active @ 1 Hz on low power) <43 mA (Active @ 1 Hz on high power)

Sounder

Output level	<97 dB(A)
Output level adjustment	88 to 97 dB(A)
Selectable tones	8
Synchronization	Automatic

VAD

Colour	Red LED
Floor coverage	W-2.4-7.5
Flash frequency	0.5 or 1 Hz 30 or 60 flashes/min
Synchronization	Automatic

Physical

Physical dimensions	93 x 133 x 96 mm
Net weight	375 g
Colour	Red / clear lens
Mounting type	Wall mount
Material	ABS FR / (Lens - Polycarbonate)
Body colour	Red / Clear lens

Environmental

Vandal proof	No
Operating temperature	-10 to +55°C
Storage temperature	-25 to +70°C
Relative humidity	10 to 95% noncondensing
Environment	Indoor
IP rating	IP33C (certified) / IP66 (externally verified)
Application	Type A

Standards & regulation

Compliance	CE, REACH, RoHS 2
Certification	CPR
Standards	EN54-3 EN54:23



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