ZR455V-3RR

Ziton series wireless alarm sounder/beacon, red with clear lens

General

The ZR455V-3RR is a RED, addressable, wireless sounder/beacon with a RED lens, operating on 868 MHz. It is remotely controlled and supervised by an addressable, wireless system controller, allowing for both wireless and hardwired devices to be seamlessly located on the same fire system. ZR455V-3 series sounder/beacons feature selectable tones for notification of alert, evacuate, security alert and class change, with outputs up to 99 dBA, as well as visual notification via an LED beacon located on the front of the unit.

System design

ZR455V-3 sounder/beacons provide notification where the installation of hard wired sounders is not an option. They form part of an extensive range of wireless fire alarm devices that includes audio-visual notification, smoke/heat detectors, manual call points and input/output devices.

Suitable for applications specifying BS5839:1, ZR455V-3 sounder/beacons may be addressed as a standalone units, or as part of a group where several units in the same location are synchronized to operate simultaneously. Designed for surface mounting in indoor applications, they have no external aerials and are supplied complete with matching back box. The ZR455V-3 series is rated at IP54 and constructed of ABS plastic.

Highest signal integrity

To ensure the highest signal integrity, ZR455V-3 sounder/beacons transmit and receive statuses and instructions to and from the panel in a multi-path, harmonised European 868 MHz band. When installed as part of a ZP addressable fire system where up to 127 device addresses are available per loop, up to 62 ZR455V-3 devices may be used spread across two radio loop controllers. Every wireless device controlled through the ZPR868 loop interface is assigned its own address with which the main control panel communicates, providing the same system facilities as directly wired devices.

Power supply

Power for the ZR455V-3 sounder/beacons is derived from two independent and supervised battery sources using standard alkaline batteries, allowing up to 5 years of operational life.



Details

- Full electronic addressing without tools
- No external aerials or antennae for improved aesthetics
- Wireless range in excess of 150 m
- Tamper supervision for unauthorized removal from it's base
- 32 Selectable, high output tones
- Acoustic self testing and problem notification
- Dual battery supply for extended service life (< 5 years) and long battery low warning times
- Using the harmonized European 868 MHz frequency band conforming to local country wireless regulations

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Technical specifications

General

Wireless frequency	868 MHz
Compatibility	Ziton addressable systems via ZPR868 wireless interface
Addressing method	Electronic
Monitoring	Battery level, Continuously self-checking
System support	Up to 127 devices (31 per wireless interface)

Electrical

Power supply type	Batteries
Batteries	3 x AA (MN1500 LR6) and 3 x C (MN1400 LR14) Duracell alkaline batteries
Output transmitter power	0 to 14 dBm (Variable)

Sounder

Output level	>99 dBA (Tone dependent)
Output level adjustment	Supported
Frequency	Selectable
Selectable tones	32
No. of stages	2

VID

Colour	Red

Physical

Physical dimensions	120 x 125 mm (Ø x H)
Net weight	650 g
Colour	Red
Mounting type	Base mount, Surface mount
Mounting position	Ceiling, Wall
Mounting base	Wireless
Material	ABS
Texture	Smooth

Environmental

Vandal proof	No
Operating temperature	-10 to +70°C (ambient)
Storage temperature	0 to +35°C
Relative humidity	>95% noncondensing
Environment	Indoor
IP rating	IP54 (EN60529)

Regulatory

Compliancy	CE, REACH, RoHS 3, WEEE
Certification	CPR, EN54-25, EN54-3

Compatible products

Category	Reference	Description
Notification device	ASWP-RF	Weatherproof mounting kit for wireless notification products

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