ZR455-3R

Ziton series radio sounder complete with battery pack, red

General

The ZR455-3R is a RED, addressable, wireless sounder 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. ZR455-3 sounders feature selectable tones for notification of alert, evacuate, security alert and class change, with outputs up to 96 dBA.

System design

ZR455-3 sounders 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, ZR455-3 sounders 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 ZR455-3 is rated at IP54 and constructed of ABS plastic.

Highest signal integrity

To ensure the highest signal integrity, ZR455-3 sounders 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 ZR455-3 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 ZR455-3 sounders is derived from two independent and supervised battery sources using standard alkaline batteries, allowing up to 5 years of operational life.



Details

- Fully addressable
- No external aerials
- Wireless range in excess of 150 m
- Tamper supervision
- High output, 32 selectable tones
- Acoustic self test
- Dual battery supply
- 5 year battery life at normal conditions
- Harmonised European 868 MHz frequency band
- CPD certified

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Technical specifications

General

Wireless frequency	868 MHz
Compatibility	All ZP addressable systems via ZPR868 loop module
Addressing method	Unique address embedded
Monitoring	Continuously self-checking

Electrical

Batteries	3 x AA & 3 x C cell Duracell alkaline batteries

Sounder

Output level	90 dBA
Selectable tones	32

Physical

Physical dimensions	120 x 125 mm (Ø x H)
Net weight	650 g
Colour	Rot
Mounting type	Oberflächenmontage
Material	ABS

Environmental

Operating temperature	-10 to +70°C
Relative humidity	10 to 95% noncondensing
Environment	Drinnen
IP rating	IP54 (EN60529 rating)

Regulatory

Certification	EN54-25, EN54-3
Approval	CPD Certified to EN54:3/EN54:25 ENTSI 300-200

Number per RLM

	<31

Compatible products

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

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