ZRC466-3C

Ziton series wireless sounder/beacon, ceiling mount with battery pack, red, clear flash

General

The ZRC466-3C is a wireless, ceiling mount, addressable ZP7 series combination sounder/VAD (Visual Alarm Device) designed for indoor applications. It provides an audible and visual warning of a fire alarm condition in areas where the installation of cabling is not an option.

It is approved to EN54:3, EN54:23 and EN54:25 and CPR certified as a VAD with a rating of C-3-15, allowing each ZRC466 to be mounted up to 3m high and provide a 15m cylinder diameter visual coverage. A room size of up to 11.3 x 11.3m square room may therefore be covered with a single device.

Signal Integrity

The ZRx466 devices are controlled directly from the CIE via a loop wired radio interface module. This arrangement allows both wireless and hardwired devices to be seamlessly located on the same loop wiring if required. Installed as part of a ZP addressable fire system, up to 127 devices may be connected to each of the CIE loops. Each wireless device is assigned its own address with which the main control panel communicates, providing the same system facilities as directly wired devices. To ensure the highest signal integrity the unit receives and transmits status and alarm conditions by EN54:25 certified, wireless links. ZRx466 devices have no external aerials.

The Range

ZRx466 series devices forms part of an extensive range of wireless fire alarm devices which includes smoke and heat detectors, manual call points, IO units and other notification devices. Suitable for applications to BS5839 Part 1, ZRx466 devices may be addressed as standalone units, operating in isolation by signals from its programmed inputs, as part of a group where several units in the same location are synchronized to operate simultaneously, or be operated by both arrangements.

Dual Power Sources

Power for the ZRx466 devices is derived from two supervised, independent battery sources, given these units a service interval of 3 to 5 years, depending on the frequencies of site specific, fire tests. Standard off-the-shelf batteries are used allowing for easy and low cost maintenance.



Details

- Fully addressable
- Wire free operation with no external aerials
- EN54:25 approved 868 MHz frequency bands
- Two way communication
- Dual, supervised battery sources
- Tamper monitoring support
- Sounder and VAD syncronisation support
- 32 Selectable tone groups
- Audio self test support
- Staged evacuation support
- Selectable output volume

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Technical specifications

General

Wireless frequency	868 MHz
Compatibility	All ZP systems via ZPR wireless interface
Addressing method	Electronic
Monitoring	Continuously self-checking

Electrical

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

Sounder

Output level	max. 97 dbA @ 1 m (Tone dependent)

VID

Flash frequency	0.5 Hz or 1 Hz

Physical

Physical dimensions	120 x 125 mm (Ø x H)
Net weight	650 g (including batteries)
Colour	Rotes Gehäuse / weißer Blitz
Mounting type	Deckenmontage
Material	Geformter Thermoplast

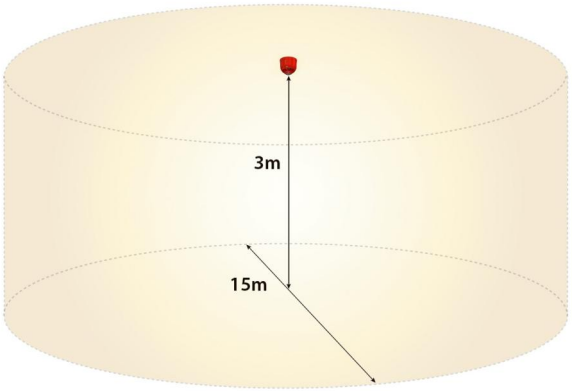
Environmental

Operating temperature	-10 to +50°C
Storage temperature	-20 to +60°C
Relative humidity	0 to 95% noncondensing
Environment	Drinnen
IP rating	IP54

Regulatory

Certification	CPR, EN54-23, EN54-25, EN54-3
Specification	C-3-15

EN54-23 Coverage: C-3-15



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