

ZRW460-3WC

ZRW460-3WC WIRELESS BEACON, WALL MOUNT /W BATTERY PACK (WHITE W/ CLEAR FLASH)

General

The ZRW460-3WC is a wireless, wall mount, addressable ZP7 series VAD (Visual Alarm Device) designed for indoor applications. It provides a visual warning of a fire alarm condition in areas where the installation of cabling is not an option.

It is approved to EN54:23 and EN54:25 and CPR certified as a VAD with a rating of W-3.1-11.3, allowing each VAD to be mounted up to 3.1m high and provide coverage for a room size of up to 11.3 x 11.3m with a single device.

Signal Integrity

The ZRx460 VADs 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. ZRx460 VADs have no external aerials.

The Range

The ZRx460 series VADs 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, ZRx460 VADs 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 ZRx460 series 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
- VAD synchronisation support

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Technical specifications

Electrical

Power supply	3 x AA (MN1500 LR6) and 3 x C (MN1400 LR14) Duracell alkaline batteries
Operating frequency	868 MHz
Output transmitter power (variable)	0 - 14 dBm
Fash rate (selectable)	0.5 Hz or 1 Hz

Physical

Colour	White housing / white flash
Material	Moulded thermoplastic
Dimensions (dia x h)	120 x 125 mm
Weight (batteries incl.)	650g

Environmental

Environment	Indoor
Operating temperature	-10°C to +50°C
Storage temperature	-20°C to +60°C
Relative humidity (non condensing)	0% to 95%
IP rating	IP54

Standards & regulation

Certification	EN54-23, EN54-25
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Installation

Location	Indoor, wall mount
Compatibility	All ZP systems via ZPR wireless interface
Addressing method	Electronic
Monitoring	Continuous self-checking

Approval

	EN54:23, EN54:25, CPR
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Specification

	W-3.1-11.5
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