

# ZRC466-3C

## Wireless sounder/beacon, ceiling mount with battery pack, red, clear flash

### General

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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

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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

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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

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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

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- 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 synchronisation support
- 32 Selectable tone groups
- Audio self test support
- Staged evacuation support
- Selectable output volume

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## Technical specifications

### Electrical

|                                     |                                                                            |
|-------------------------------------|----------------------------------------------------------------------------|
| Operating voltage                   | 3 x AA (MN1500 LR6) and 3 x C (MN1400 LR14)<br>Duracell alkaline batteries |
| Power supply                        | 3 x AA (MN1500 LR6) and 3 x C (MN1400 LR14)<br>Duracell alkaline batteries |
| Operating frequency                 | 868 MHz                                                                    |
| Output transmitter power (variable) | 0 - 14 dBm                                                                 |
| Flash rate (selectable)             | 0.5 Hz or 1 Hz                                                             |
| Sound level (max)*                  | 97dbA @ 1m                                                                 |

### Physical

|                          |                             |
|--------------------------|-----------------------------|
| Physical dimensions      | 120 x 125 mm (Ø x H)        |
| Net weight               | 650 g (including batteries) |
| Colour                   | Red housing / white flash   |
| Material                 | Moulded thermoplastic       |
| Colour                   | Red housing / white flash   |
| Material                 | Moulded thermoplastic       |
| Dimensions (dia x h)     | 120 x 125 mm                |
| Weight (batteries incl.) | 650g                        |

### Environmental

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

### Regulatory

|               |                          |
|---------------|--------------------------|
| Certification | EN54-23, EN54-25, EN54-3 |
|---------------|--------------------------|

### Installation

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

### Approval

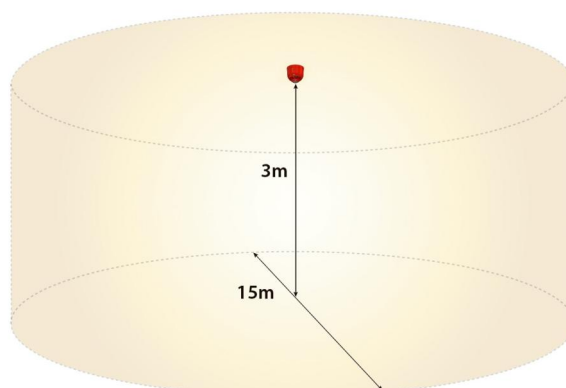
|  |                               |
|--|-------------------------------|
|  | EN54:3, EN54:23, EN54:25, CPR |
|--|-------------------------------|

### Specification

|  |        |
|--|--------|
|  | C-3-15 |
|--|--------|

\*Tone dependent

EN54-23 Coverage: C-3-15



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Last updated on 5 May 2023 - 9:45