

## ZP755WV-2R

Addressable weatherproof sounder beacon

### Developed for outdoor applications

The ZP755WV-2R is an addressable, weatherproof sounder beacon, designed for use on ZP analogue addressable fire detection and alarm systems. The device has been developed for outdoor applications and is fully compatible with the range of ZP755 loop wired sounders.

Installed directly onto and powered by the ZP wiring loop, the ZP755 range enables the system designer to offer a complete ZP analogue addressable system on a single pair of wires. Installation costs are greatly reduced, whilst system integrity, sounder options and programmed alarm organisation are significantly increased.

### High efficiency, low energy design

High efficiency acoustic design, low energy sound gun transducer and low current Light Emitting Diode (LED) visual element, enables up to 24 sounder beacons to be connected to a one kilometer loop of 1.5mm<sup>2</sup> cable, with a wiring run of 50 metres to the first device.

In systems where loop lengths or current requirements are excessive, ZP755WV-2R sounder beacons can be powered directly from an external power supply.

### Range of sound outputs

Continuous, intermittent and two-tone audible outputs are available, from which any combination can be chosen to provide alert and evacuate, two stage alarms. All sound types comply with most local codes (for example BS 5839 Part 1 recommended frequencies in the UK). The ZP755 WV-2R produces a sound output of 105 dBA, measured at 1 metre. A volume control is included for areas where a reduced sound output is required.

Moulded in high impact red thermoplastic, the sounder beacon features a red lens.



### Standard Features

- Weatherproof
- Sounder and Beacon in a single unit
- 105dBA sound output
- Low current LED based visual element
- High efficiency sound gun transducer
- Up to 24 sounder beacons powered directly on loop wiring



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## Specifications

|                          |                                                                                                 |
|--------------------------|-------------------------------------------------------------------------------------------------|
| Model No                 | ZP755WV-2R                                                                                      |
| Specification            | EN54 Part 3 (sounder element)                                                                   |
| Description              | Addressable weatherproof sounder beacon                                                         |
| Compatibility            | ZP3 systems, note - sound options may vary for ZP5 and ZP3 systems with early software versions |
| Mounting                 | Surface                                                                                         |
| Wiring                   | 2 core loop                                                                                     |
| Monitoring               | Open and short circuit fault, sound level - self test facility                                  |
| Sound output             | 105dBA (at 1m)                                                                                  |
| Sound types              | Tone 1 - continuous 980 Hz                                                                      |
|                          | Tone 2 - intermittent 980 Hz (0.5 secs on/off)                                                  |
|                          | Tone 3 - two tone warble 980 Hz/670 Hz                                                          |
| Light output             | Equivalent to 1J xenon elements                                                                 |
| Frequency                | Flash rate 1.3 seconds                                                                          |
| Operating voltage        | Loop 19.5 - 20.5 Vdc, External 24 Vdc (nominal)                                                 |
| Current                  | 820uA quiescent, 11mA active                                                                    |
| Max number               | 24 per 1km loop, 1.5mm <sup>2</sup> cable, 50m to the first device)                             |
| Application              | Indoor or outdoor installation                                                                  |
| EN60529 rating           | IP33C                                                                                           |
| Operating temperature    | -10°C to 70°C                                                                                   |
| Humidity range (at 40°C) | 10% to 95% RH (non condensing)                                                                  |
| EMC                      | CPD compliant                                                                                   |
| Material                 | Moulded thermoplastic                                                                           |
| Dimensions               | 120mm (W) x 120mm (D) x 150mm (D)                                                               |
| Weight                   | 310g                                                                                            |
| Publication No           | PS1787                                                                                          |

## Ordering Information

| Part No.   | Description                             |
|------------|-----------------------------------------|
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