#### **Product data sheet**



# ZR455-3R

## ZR455-3R 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

# ZR455-3R

# ZR455-3R RADIO SOUNDER COMPLETE WITH BATTERY PACK (RED)

# **Technical specifications**

Physical dimensions 120 x 125 mm (Ø x H)  Net weight 650 g Colour Red Material ABS  Environmental Operating temperature -10°C to +70°C Relative humidity 10 to 95% noncondensing Environment Indoor IP rating IP54 (EN60529 rating)  Standards & regulation Certification EN54-25, EN54-3  Model No ZR455-3R  Description Radio sounder complete with Battery Pack (Red)  Compatibility  All ZP addressable systems via ZPR868 loop module  Operating frequency 868 MHz  Approval  CPD Certified to EN54:3/EN54:25 ENTSI 300-200  Addressing method Unique address embedded in firmware  Mounting  Continuously self-checking  Sound options 32 selectable tones  Sound level 90 dBA  Power supply  3 x AA & 3 x C cell Duracell alkaline batteries  Number per RLM - 31  Application		
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	1-	Indoor installation

EN60529 rating	
	IP54
Temperature rang	е
	-10°C to +70°C
Humidity range (n	oncondencing)
	10 to 95% RH
Material	
	ABS
Dimensions (dia x	( h)
	120 x 125 mm
Colour	
	Red
Weight	
	650g