

ZR454 wireless alarm sounders provide a range of warning tones in areas where the installation of hard wiring is not an option.

Sounders are controlled directly from the main fire alarm panel, via a loop wired radio interface module. This arrangement allows both wireless and hardwired devices to be seamlessly located on the same loop wiring.

The sounder forms part of an extensive range of wireless fire alarm devices, which includes smoke and heat sensors in addition to manual callpoints.

Suitable for applications specifying the recommendations of BS 5839 Part 1, the ZR454 can be addressed as a stand alone unit, operating in isolation by signals from its programmed inputs, as part of a sounder group where several units in the same location are synchronized to operate simultaneously, or be operated by both arrangements.

To ensure the highest signal integrity the unit transmits its quiescent and fault signals to the loop module by VHF radio communication, but is switched to its operating mode by the receipt of a powerful UHF signal direct from the loop module.

Installed as part of the ZP3 analogue addressable system, up to 127 devices can be connected to each of the control panel loops. Each wireless device, controlled through the ZR470 interface is assigned its own IDENT address, with which the main control panel communicates, providing the same system facilities as directly wired devices.

The unit's high output features selectable tone patterns, with outputs of

96 dBA measured at 1 metre. Four different tones provide signals for alert, evacuate, bomb alert and class change. Power is derived from two independent, separate battery sources

The ZR454 wireless alarm sounder is designed for surface fixing has no aerials external to its enclosure and is supplied complete with matching back box.

Rated at IP42 the ZR454 is constructed of ABS plastic and is intended for indoor applications.



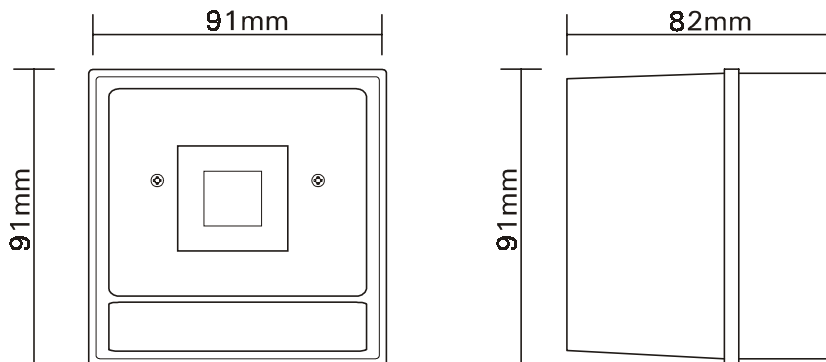
## ZR454

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### Wireless Alarm Sounder

- **Fully addressable**
- **Wire free operation**
- **Dual frequency – uses VHF and UHF communication bands to ensure high integrity signaling**
- **High output, selectable tone patterns – 96 dBA at 1 metre with four different tone patterns**
- **Dual battery supply – featuring two independent power sources**
- **No external aerials**

# Dimensions



991344-01.cdr

# Specifications



Model No.	Part No.	Specification	Description
ZR454	552AA	IP42	Wireless Alarm Sounder
Compatibility	All ZP3 analogue systems.	Current (average active)	4.3 mA
Approval	R&TTE to ETS 300-200	Operating voltage	3.7 volts DC (Dual Lithium or Alkaline batteries)
Operating frequencies	UHF 458.5 – 459.5 MHz VHF 173.245 MHz	Max number per RLM	127
Addressing method	Unique address embedded in firmware	<b>Environmental:</b>	
Mounting	Surface	EN60529 rating	IP42
<b>Monitoring:</b>		Temp range	-10°C to +70°C
Sound options	Continuously self-checking	Humidity range	10% to 95% RH (non condensing)
Sound level (at 1m)	4 tone patterns 90 dBA	EMC	CE marked EEC89/336
		<b>Construction:</b>	
		Material	Moulded thermoplastic
		Dimensions	91 mm (w) x 91 mm (h) x 82 mm (d)
		Colour	Red
		Weight	380g

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PS 1494.1, issue 01, Published 01 December 2002

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