

The ZF-BDS1 is a flat, slim profile, electronic sounder, designed for ceiling mounting. By providing a platform for detector and base, the ZF-BDS1 offers a single installation point for both detector and sounder. It is especially cost effective in residential buildings, where the recommendations of BS 5839 Pt:1 1988 of 75 dBA sound output at each bed head, usually means the provision of a sounder in each bedroom.

When installed using 4 core cable, in place of separate circuits for both detectors and sounders, substantial reductions can often be achieved in both wiring costs and installation time. Units are polarised for system monitoring and provided with both in and out wiring terminals.

Sound output features a sweep tone between 800 and 970 Hz complying with the recommendations of BS 5839 Pt 1 together with a second tone, continuous at 970 Hz. First or second alarm tones are selected on site by a switch setting, located in the base of the sounder, (for tone selection see product installation instructions). Terminals are provided to enable the second tone to be switched remotely.

The ZF-BDS1 is synchronised on start up, ensuring that in sweep tone mode frequencies are swept together by all sounders, thereby eliminating 'dead spots' around the building, where adjacent sounder frequencies may be cancelled out.

Featuring a sound output of 93 dBA at 1 metre, with a current consumption of only 18mA, the ZF-BDS1 is ideal for residential applications where individual sounders are required in a large number of bedrooms, for example hotels and student accommodation.

A volume control is provided for areas where a reduced sound output is required, for example staff alarms or nursing stations. The control can be set to limit the sound output by up to 75% of the full volume.

Available in white to match detector bases, or red, the units are moulded in high impact ABS plastic. All electronics are encapsulated, making the sounder suitable for both commercial and industrial environments.

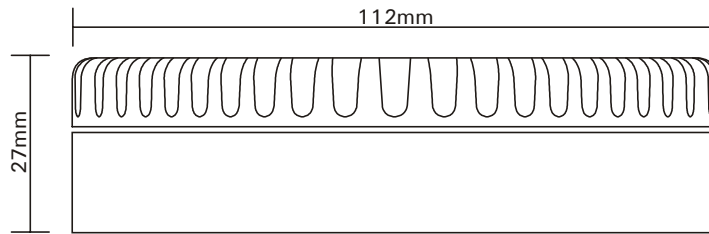


## ZF-BDS1

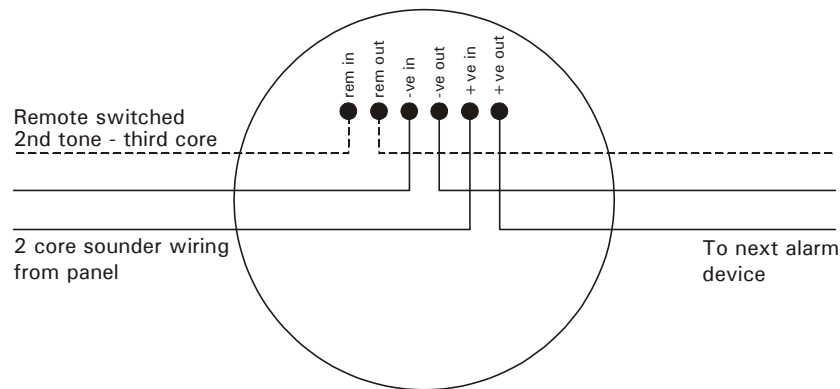
### Conventional Detector Platform Sounder

- **Single point for detector and sounder.**
- **Reduced installation cost with 4 core cable**
- **Individual bedroom sounder**
- **High sound output with low current consumption**

# Dimensions



# Wiring Schematic



ZF-BDS1 conventional detector platform sounder

# Specifications



Model No.	Part No.	Description	Sound Output
ZF-BDS1	30701	White detector platform sounder	93dBa at 1m (sweep tone)
ZF-BDS	30702	Red detector platform sounder	

Compatibility	All ZC and ZP conventional sounder circuits	<b>Environmental:</b>	
Mounting	Surface	Application	Indoors
Wiring	2 wire or 4 wire if wired with detector. Extra core required for remote switching of 2nd tone.	EN60529 rating	IP54
		Temp range	-40°C to +80°C
<b>Monitoring:</b>		<b>Construction:</b>	
	Polarised input	Material	Moulded ABS
Operating voltage	24 volts DC	Dimensions	112mm (Dia) x 27mm (H)
Current (alarm)	18mA	Colour	White and red
		Weight	150g

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