



## 24V Audio Tone and Voice Sounders

**Horn: B24VH, B24VHD, B24VHG, NZB24VHG, NZB24VH**  
**Flush Mount: B24VSPF**  
**Surface Mount: B24VSPS**

### Description

The Brooks range of electronic sounders provide both tones and warning messages. The combination of tone and voice message elicits a more positive response from building occupants during an emergency. Tone only relies upon the occupant's awareness of the tones meaning and purpose.

The Brooks electronic sounder consists of a speaker and digital voice/tone module. The software of the digital module can be custom programmed for tonal frequency, voice message and language to meet specific client needs.

### Available Models



**Surface Mount Speaker**  
B24VSPS




**Flush Mount Speaker**  
B24VSPF



**Surface Mount Horn Speaker**  
B24VH, B24VHD, B24VHG,  
NZB24VHG, NZB24VH

### Mode of Operation

The BROOKS electronic sounder has two inputs, typically used for Alert and Evacuation but may also be two evacuation signals providing the same tone but differing language messages. The sounder requires a 24Vdc signal applied at the appropriate polarity. When power is applied to the digital voice/tone module the unit will sound the tone for approximately 10-12 seconds followed by a digital voice message. The tone and message are repeated until power is cut off.

			Title	Technical Datasheet			
			<b>24V Tone and Voice Sounders</b> <b>Models B24VH,B24VSPF,B24VSPS,</b> <b>NZB24VH,B24VHD,B24VHG,NZB24VHG</b> Page 1 of 2	Created	Checked	TDS No.	Rev
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## Voice messages

All models come pre-programmed with default alert and evacuation messages. Custom messages can be downloaded using software and serial cable. For customised tones and voice messages, contact your nearest Brooks office. A factory preset jumper on the digital voice/tone module selects between Australian or New Zealand evacuation tones.

## Tones

The standard tones available:

For New Zealand                   AS2220.1 Alert tone  
   AS2220.1 Evacuate tone

For Australia                       ISO7731 Alert Tone  
   ISO 8201 Evacuate Tone (T3)

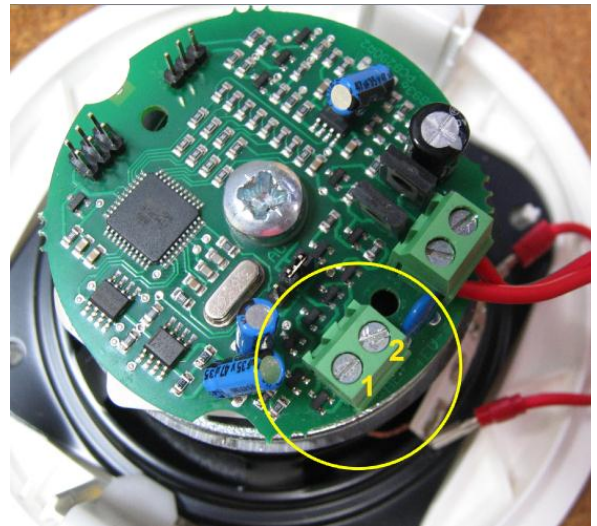
## Connection

Horn Sounder: Flying leads are supplied for termination to a 24Vdc source. The message will switch between Alert/Evac depending on the polarity of the supplied DC voltage.

Flush And Surface Mount Speaker Sounders: These can be terminated directly to the screw terminals as shown circled in the attached picture.

For Alert Message Terminate: 0Vdc to "1"  
   +24Vdc to "2"

For Evac Message Terminate: +24Vdc to "1"  
   0Vdc to "2"



## End of line devices:

Turn on voltage is 14V. Below this voltage, no current is drawn, this allows for the use of end of line resistors for the supervision of the sounder circuit.

## Specifications

Voltage		24V (range 20-30Vdc)
Current		<100mA (24Vdc; Australian evacuation tone) <150mA (24Vdc; New Zealand evacuation tone)
Output	Speaker	85dB (24Vdc; Australian evacuation tone)
	Horn	100dB (24Vdc; Australian evacuation tone)

*(Due to the continual development Brooks Australia reserves the rights to change the product specifications)*

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