

# Product Data Sheet: VPR 24 Volt 32 and 16 Tone Spatial Sounder

## Description

The VPR Spatial sounder is designed for applications where a non standard tone may be required. It includes the majority of sound patterns and frequencies used throughout the world, and is also fully synchronised.

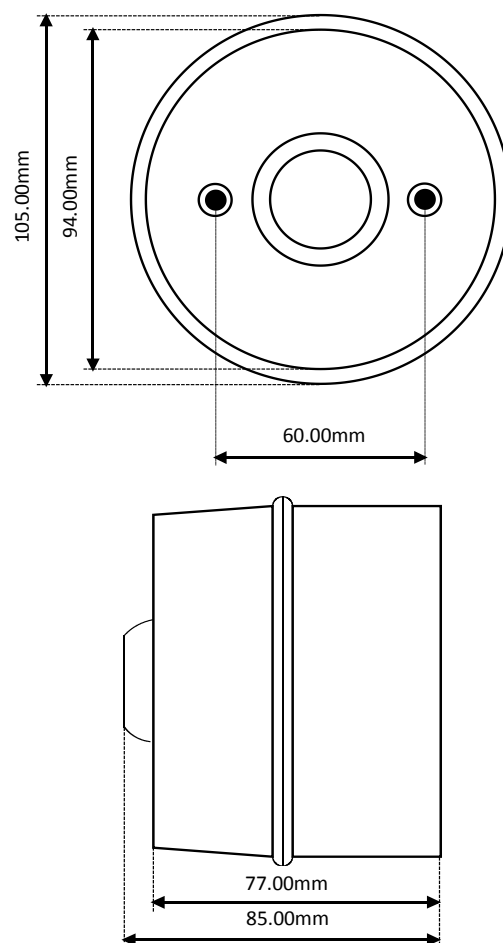
With an operating frequency of 440 to 2850Hz, each sounder provides an audio able alert within the frequency range specified by BS5839.

This sounder is primarily for use in fire alarm systems but can be used in most applications requiring a high sound output and economic current supply. A choice of 16 or 32 fully synchronised primary sounds can be selected via a 5 way (4 way for 16 tones) dip switch each with an alternative continuous tone for selection on the PCB terminals or by third wire remote control.

The product's case material is constructed from fire retardant ABS. Each sounder is supplied with its own mounting base which comes complete with marker points for two M20 gland entries. The installation of the VPR-MT sounder is not recommended in chilled areas.



## Dimensions



## Tone List

No.	Description	Switch 1234 16 Tone	Switch 12345 32 Tone	Second Stage Alarm (Hz)
1	Warble tone 800/1000Hz @ 0.5sec	1111	11111	800
2	Warble tone 800/1000Hz @ 0.25sec	1110	01111	1000
3	Interrupted tone 800Hz @ 0.5sec on/off	1101	10111	800
4	Interrupted tone 1000Hz @ 0.25sec on/off	1100	00111	1000
5	Slow Whoop 500 to 1200Hz in 3sec then 0.5sec off	1011	11011	500
6	Slow Whoop 1200 to 500Hz in 3sec then 0.5sec off	1010	01011	1200
7	Australian Slow Whoop 500 to 1200Hz in 3.5sec 0.25sec off	1001	10011	500
8	L.F. Sweep frequency 800 to 1000Hz in 0.5sec	1000	00011	800
9	L.F. Sweep frequency 800 to 1000Hz in 0.25sec	0111	11101	800
10	L.F. Sweep frequency 800 to 1000Hz in 0.1sec	0110	01101	800
11	Sweep frequency 1200 to 500Hz in 1sec	0101	10101	1200
12	Warble tone 554/440Hz @ 0.5sec	0100	00101	554
13	Warble tone 554Hz for 0.1sec / 440Hz for 0.4sec	0011	11001	554
14	Interrupted tone 660Hz for 150msec on/off	0010	01001	660
15	Interrupted tone 660Hz for 150msec on/off	0001	10001	660
16	Interrupted tone 660Hz for 570msec on/off	0000	00001	660
17	Group of 3 interrupt 1000Hz @ 0.5sec on/off then 1.5sec off	-	11110	1000
18	Group of 3 warble 1000/800Hz @ 0.5sec then 1.5sec off	-	01110	1000
19	Group of 3 sweep 500 to 1200Hz @ 0.5sec on/off then 1.5sec off	-	10110	500
20	Group of 3 sweep 1200 to 500Hz in 0.5sec then 1.5sec off	-	00110	1200
21	Linear frequency sweep 2000 to 2500Hz in 0.5sec	-	11010	2000
22	Linear frequency sweep 2000 to 2500Hz in 0.25sec	-	01010	2000
23	H. F. warble tone 2000/2500Hz @ 0.5sec	-	10010	2000
24	H. F. warble tone 2000/2500Hz @ 0.25sec	-	00010	25000
25	H. F. interrupted tone 2850Hz @ 150msec on/off	-	11100	2000
26	H. F. interrupted tone 800Hz @ 0.5sec on/off	-	01100	2850
27	Very fast H.F. sweep 2400 to 2800Hz in 20msec (50Hz)	-	10100	2400
28	Fast H.F. sweep 2400 to 2800Hz in 0.143sec (7Hz)	-	00100	2400
29	H.F. sweep 2400 to 2800Hz in 0.5sec (2Hz)	-	11000	2400
30	2way ramp 500 to 1200 rising then falling in 0.25sec	-	01000	500
31	Siren 2way ramp 3 sec rising then 3 sec falling 500 to 1200Hz	-	10000	500
32	Ding dong group 2700 to 0Hz then 570 to 80Hz off for 4sec	-	00000	700

## Technical Information

Part No.	VPR-MT16	VPR-MT32
Output @ 1 metre:	104dBa	
Current @ 24Vdc:	c. 11mA	
Voltage Range:	8 - 35Vdc	
Operating Frequency:	440Hz to 2850Hz	
Number of Tones:	16	32
Volume Control:	- 30dBa	
IP Rating:	IP65	
Temperature Range:	- 30°C to + 50°C	
Weight (per unit packed):	200g	

Sounders are available in red or white by adding - R, red or W, white to the end of the product code.

## Connection

