

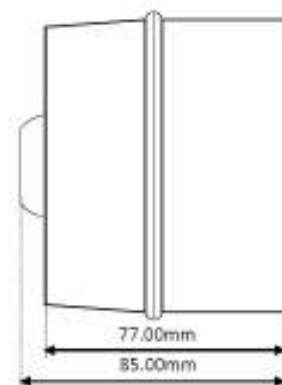
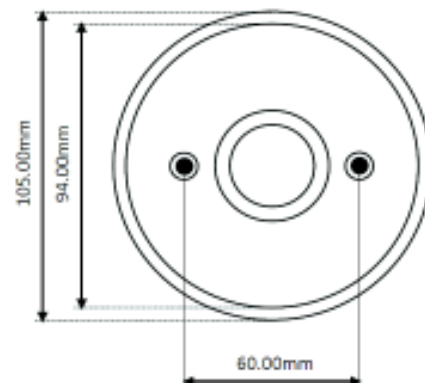
Product Data Sheet: VPR 24 Volt 4 Tone Spatial Sounder - EN 54 Approved

Part Numbers

505-047 VPR-4T-R
505-048 VPR-4T-W



Dimensions



Description

The VPR-4T sounder is designed for applications requiring maximum sound output, and offers the best sound output to cost of any sounder currently on the market

Each sounder has an on board crystal oscillator so all sounders on a loop will be synchronised

With an operating frequency of 800Hz - 1000Hz, each sounder provides sound within the frequency range specified by BS 5839. Each sounder also has a operating voltage of 20 - 35Vdc

Tones are available by selecting either warble, sweep or pips via the jumper fitted to the PCB. By using three wires, a second stage alarm may be switched so that the continuous tone will override the tone selected.

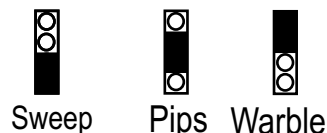
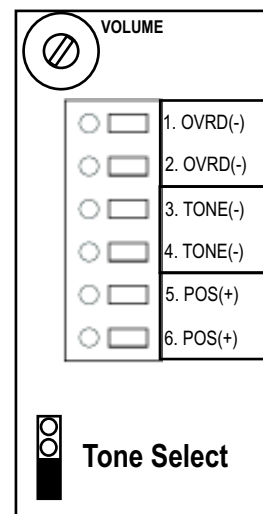
This product has been approved to EN54-3 for outdoor use, Type B

Approved to EN 54-3 at maximum volume only

Connection For Sweep, Warble or Pips, wire negative to terminal 3 and / or 4 TONE(-)
For Continuous tone wire negative to 1 and/or 2 OVRD(-)
Note that the OVRD(-) tone will override the TONE(-)

Technical Information

Part No.	VPR-4T
Output @ 1 meter 24Vdc:	103dBa
Current @ 24Vdc:	c. 32mA
Power consumption @ 24Vdc:	0.77Watts
Voltage Range:	20-35Vdc
Operating Frequency:	800Hz to 1000Hz
Number of Tones:	4
Volume Control:	-30dBa
IP Rating:	IP33C
Temperature Range:	-20C to + 70C
Weight (per unit packed)	200g



546a/06



0832-CPR-F0672



Tel: 01420 592 444
Sales@cranfordcontrols.com
www.cranfordcontrols.com

Operational performance data — Cranford Control VPR-4T Continuous Tone 8000Hz

Operational performance						
Specimen № 1						
Maximum Volume dB(A)						
Angle	Horizontal Plane			Vertical Plane		
	Min 20V	Max 35V	Difference	Min 20V	Max 35V	Difference
15°	92.8	96.5	3.7	93.0	96.6	3.6
45°	94.4	98.2	3.8	94.6	98.2	4.0
75°	98.0	101.7	3.7	98.3	101.8	3.5
105°	98.0	101.8	3.8	98.2	101.8	3.6
135°	94.5	98.2	3.7	94.7	98.5	3.8
165°	92.8	96.7	3.9	93.1	96.9	3.8

Sweep Tone 800Hz – 1000Hz swept every 500ms (2Hz)

Operational performance						
Specimen № 1						
Maximum Volume dB(A)						
Angle	Horizontal Plane			Vertical Plane		
	Min 20V	Max 35V	Difference	Min 20V	Max 35V	Difference
15°	92.0	96.3	4.3	92.7	96.1	3.4
45°	96.8	100.9	4.1	96.8	100.8	4.0
75°	99.7	103.5	3.8	99.5	103.5	4.0
105°	99.6	103.5	3.9	99.6	103.5	3.9
135°	96.8	100.6	3.8	96.8	101.2	4.4
165°	92.1	96.0	3.9	92.1	97.6	5.5

Pips – 800Hz for 800ms, then off for 500ms

Operational performance						
Specimen № 1						
Maximum Volume dB(A)						
Angle	Horizontal Plane			Vertical Plane		
	Min 20V	Max 35V	Difference	Min 20V	Max 35V	Difference
15°	92.3	95.9	3.6	92.0	95.8	3.8
45°	94.2	98.0	3.8	93.8	97.7	3.9
75°	94.6	101.1	3.5	97.3	101.2	3.9
105°	97.4	101.1	3.7	97.3	101.1	3.8
135°	93.7	97.6	3.9	94.0	97.8	3.8
165°	91.8	96.1	4.3	93.3	95.9	2.6

Warble- 800Hz for 800ms, 1000Hz for 500ms

Operational performance						
Specimen № 1						
Maximum Volume dB(A)						
Angle	Horizontal Plane			Vertical Plane		
	Min 20V	Max 35V	Difference	Min 20V	Max 35V	Difference
15°	92.2	96.7	4.5	93.1	96.7	3.6
45°	95.5	99.2	3.7	95.1	99.1	4.0
75°	98.6	102.8	4.2	98.7	102.5	3.8
105°	98.9	102.4	3.5	98.5	102.4	3.9
135°	95.3	99.1	3.8	95.8	99.2	3.4
165°	92.4	96.0	3.6	92.5	96.8	4.3