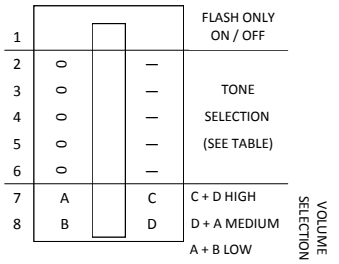
CRANFORDCONTROLS™
FIRE & SECURITY

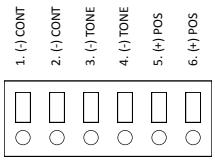
Instruction Insert:
VTB 12 Volt 32-Tone Spatial Sounder / Beacon

Part Numbers	**Description**	**Voltage Range**
511-xxx Series	VTB 12V 32 Tone Spatial Sounder / Beacon	*10 - 15Vdc*

Units are available with a Deep or Shallow base. Lens colour options available - red, amber

For any technical queries please contact:
***Tel:** + 44 (0) 1420 592 444* ***E-mail:** technical@cranfordcontrols.com*

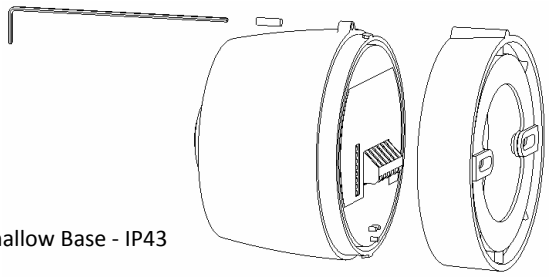




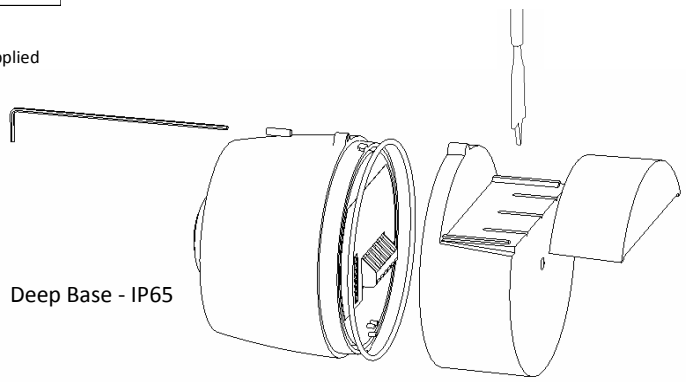
Allen Key not supplied

For tone wire neg to term 3 and/or 4
For 2nd tone wire neg to 1 and/or 2
Note that the 2nd tone will over-ride tone

All VTB sounder/beacons are delivered with the volume set to high and tone set to 11111 (Cranford sweep)



Shallow Base - IP43



Deep Base - IP65

Full datasheet available - DS073

Doc No: 125-029 **Issue No:** 005 www.cranfordcontrols.com RoHS ✓ **MADE IN UK**

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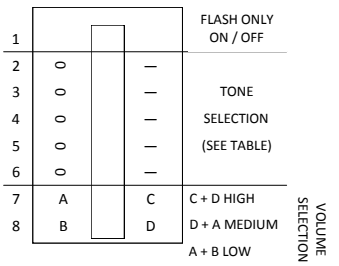

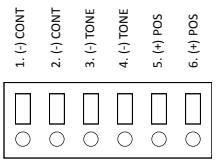

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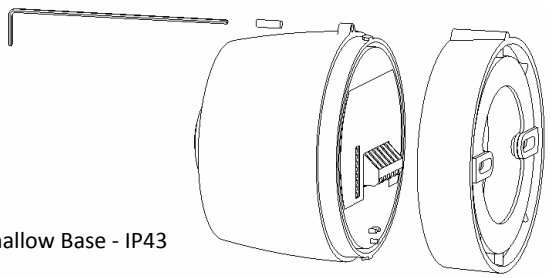
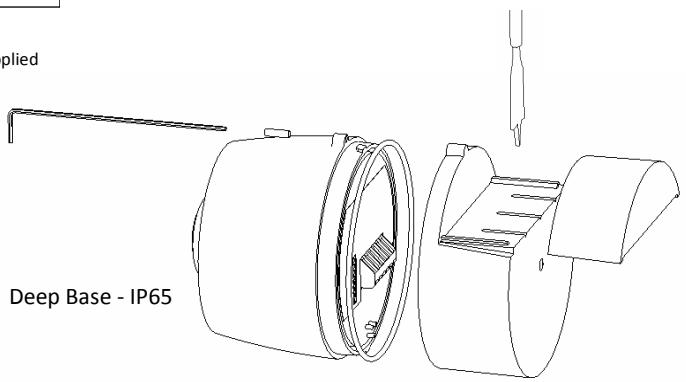


Shallow Base - IP43



Deep Base - IP65

Full datasheet available - DS073

Doc No: 125-029 **Issue No:** 005 www.cranfordcontrols.com RoHS ✓ **MADE IN UK**

No.	Tone	Description	Switch 23456	Second Stage Alarm	Typical Current (mA)		Typical Sound Output	
					L	H	L	H
1	LF Sweep (Cranford sweep)	800-1000 Hz	11111	800 Hz cont	12	22	93.0	103.0
2	Alternative warble BS standard	800/960 Hz at 2 Hz	11110	800 Hz cont	12	23	94.0	103.5
3	Warble Tone BS standard	800/1000 Hz @ 0.5 sec	11101	800 Hz cont	12	23	93.0	103.5
4	Alternative warble BS standard	500/600 Hz @ 2 Hz	11100	500 Hz cont	9	16	90.5	100.0
5	HF Back up Interrupted tone	2800 Hz @ 1.0 sec on/off	11011	2800 Hz cont	22	54	101.5	111.5
6	LF Back up Alarm	800 Hz @ 150 msec on/off	11010	800 Hz cont	10	17	88.0	96.0
7	HF Back up Interrupted tone - fast	2800 Hz @ 150 msec on/off	11001	800 Hz cont	20	47	100.0	110.5
8	LF Continuous tone BS5839	800 Hz cont	11000	Same tone	11	21	98.0	97.0
9	Sweep tone (1 Hz)	800/900 Hz @ 1Hz	10111	800 Hz cont	12	21	91.0	100.0
10	Australian slow whoop	Intermittent 970 Hz 0.625 ms on/0.625 ms off	10110	500-1200 Hz 3.75 sec on 0.25 sec off	12	22	94.5	104.0
11	Dutch sweep tone	970 Hz cont	10101	500-1200 Hz 3.5 sec	12	24	94.5	104.0
12	Analogue sweep tone	500/600 Hz @ 2 Hz	10100	500 Hz cont	9	15	90.0	99.5
13	Sweep tone (3 Hz)	800/970 Hz @ 3 Hz	10011	800 Hz cont	12	23	92.5	102.5
14	Alternate HF slow sweep	2350/2900 Hz @ 3 Hz	10010	2400 Hz cont	23	58	100.5	111.0
15	Fast HF sweep	2400-2800 Hz @ 7 Hz	10001	2400 Hz cont	22	58	99.5	110.0
16	US Temporal Pattern LF	950 Hz for 0.5 sec on 0.5 sec off x 3 then 1.5 sec then repeat	10000	800 Hz cont	11	23	94.0	103.0
17	Interrupted tone BS standard	Interrupted tone 800 Hz @ 0.5 sec on/off	01111	800 Hz cont	11	20	98.0	97.0
18	ISO 8201 LF BS5839 Pt 1 1988	Intermittent 970 Hz 500 ms on / 500 ms off	01110	Same tone	12	23	94.0	103.5
19	Interrupted tone medium	1000 Hz @ 0.25 sec on / off	01101	800 Hz cont	10	22	93.0	102.0
20	ISO8201 HF	Intermittent 2850 Hz 500 ms on / 500 ms off	01100	Same tone	24	55	102.0	112.0
21	Continuous tone	1000 Hz continuous	01011	Same tone	12	24	93.5	102.0
22	LF Buzz	800-950 Hz swept at 110 Hz	01010	800 Hz cont	12	22	91.0	100.5
23	HF Continuous	2800 Hz	01001	2800 Hz cont	24	55	102.0	96.5
24	Sweep tone (9 Hz)	800-970 Hz @ 9 Hz	01000	800 Hz cont	12	22	92.0	96.5
25	German DIN tone	Sweep 1200-500 Hz @ 1 Hz	00111	800 Hz cont	12	23	91.0	97.0
26	Swedish Fire signal	Intermittent 660 Hz 150 ms on / 150 ms off	00110	Same tone	8	15	87.0	112.0
27	French tone AFNOR	554 Hz for 100 ms and 440 Hz for 400 ms	00101	800 Hz cont	9	14	88.0	99.5
28	Swedish all clear signal	Continuous 660 Hz	00100	Same tone	10	18	88.0	103.0
29	US Temporal Pattern HF	2900 Hz for 0.5 sec on 0.5 off x 3 then off for 1.5 sec then repeat	00011	2900 Hz cont	24	56	102.0	103.0
30	Siren 2 way ramp (short)	500/1200 Hz rising then falling 0.25 sec	00010	800 Hz cont	12	22	90.5	99.0
31	FP1063.1-Telecom	Alternating tone 800/970 Hz @ 2 Hz	00001	800 Hz cont	12	20	94.0	103.0
32	Siren 2 way ramp (long)	500/1200 Hz 3 sec rising / 3 sec falling	00000	800 Hz cont	13	26	95.0	103.0
	Continuous tone	500 Hz Continuous	-	-	10	15	90.0	99.0
	Dutch Tone (Override tone)	500-1200 Hz 3.5 sec on and 0.5 sec off	-	-	12	25	93.0	103.0
	Australian Slow Whoop Override Tone	Sweep 500-1200 Hz 3.75 sec on	-	-	13	25	93.5	103.0
	Continuous Tone	2400 Hz Continuous	-	-	21	57	97.0	107.0
	Continuous Tone	2900 Hz Continuous	-	-	25	59	102.0	113.0

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