

The VTG family of sounders have been designed to cover a wide spectrum of applications. The 12 volt version has been designed for general use and is particularly suited to security signalling applications.

The sounder as standard comes with 32 tones. The product is supplied with a two-stage alarm override which is activated by a third negative wire if required. All tones have been selected to comply with the latest sound patterns and frequencies used throughout the world. All tone options are fully synchronised.

The anti-tamper version is fitted with an integrated switch and when configured on installation means that unauthorised removal of the sounder will result in the automatic reporting of the event to the control panel.

- 32 tones plus a selectable override tone
- anti-tamper version available
- shallow base IP43 and deep base IP65 versions available
- unique twist and lock bayonet mounting system
- removable cover on deep base for surface wiring
- features base locking system as standard



TECHNICAL

voltage range (Vdc)	9 - 15	
number of tones	32	
operating frequency (Hz)	440 - 2900	
temperature range (°C)	-20 to +70	
monitoring	reverse polarity	
protection rating	IP43 (shallow)	IP65 (deep)
boxed weight (kg)	0.22 (shallow)	0.25 (deep)
body colours available	red or white (ABS fire retardant plastic)	

PERFORMANCE

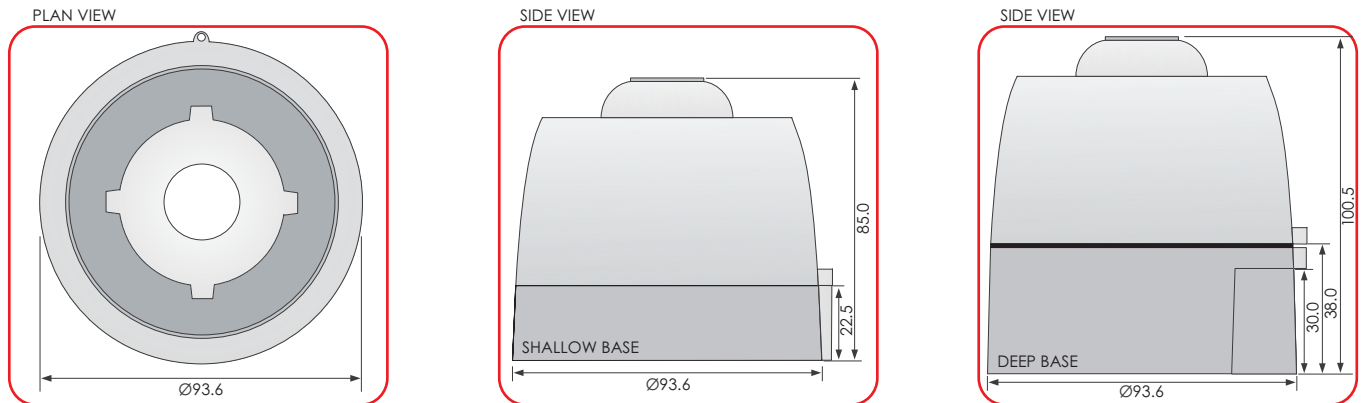
volume setting	high	low
sound output, typical (dBA)	100.6	92.5
sound output, anechoic chamber (dBA)	97.3	89.3
sound output, reverberation chamber (dBA)	114.6	105.9
max. current consumption @ 24Vdc (mA)	54.3	21.5
power consumption @ 24Vdc (mW)	652	258

NB: see tone list performance for more accurate current consumption figures

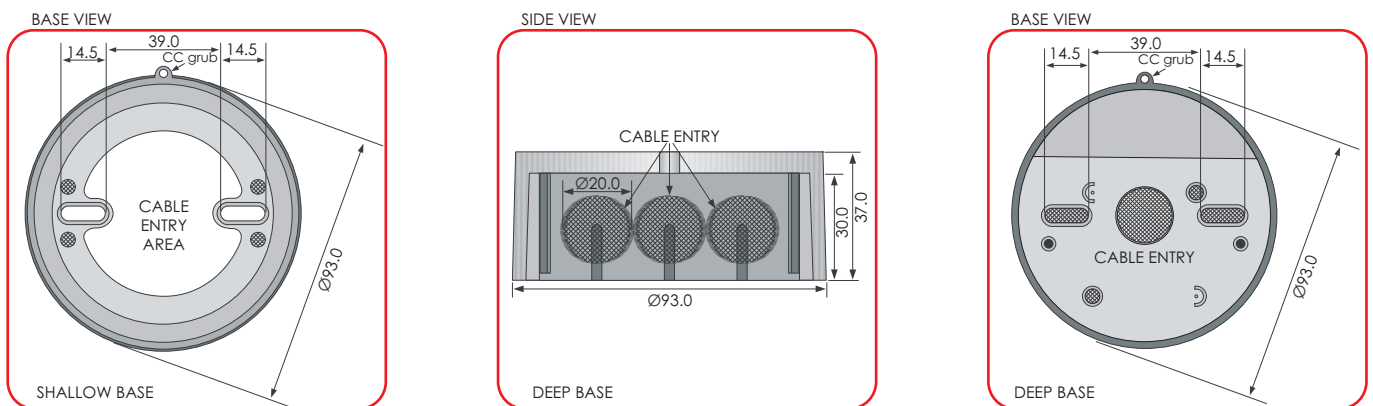
ORDERING INFORMATION

red body, 32 tone, shallow base	510-058
red body, 32 tone, deep base	510-060
white body, 32 tone, shallow base	510-059
white body, 32 tone, deep base	510-061
white body, 32 tone, deep base, anti-tamper	510-025

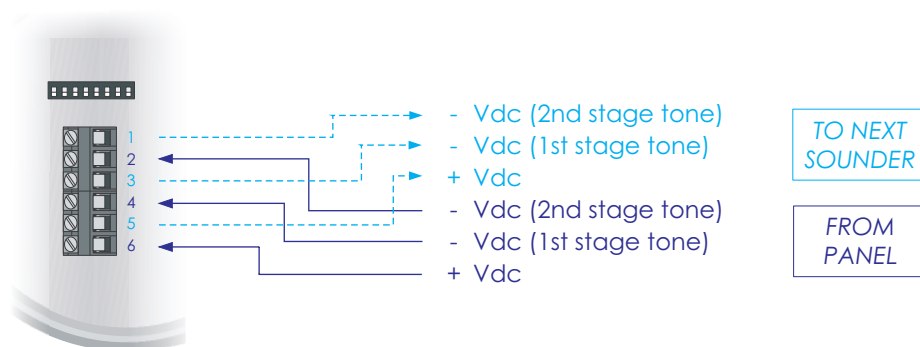
DIMENSIONS



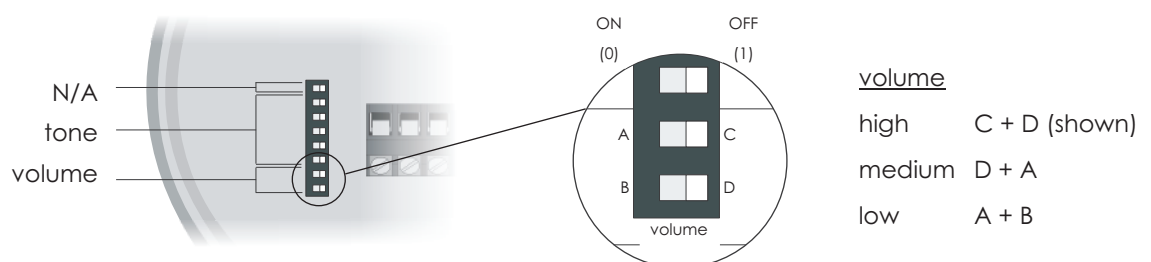
PRODUCT MOUNTING & CABLE ENTRY



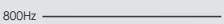
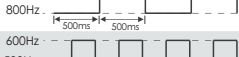
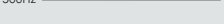
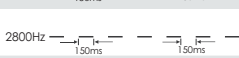
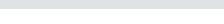
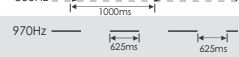
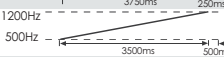
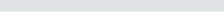
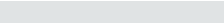
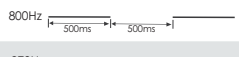
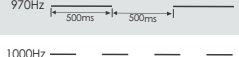
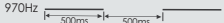
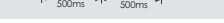
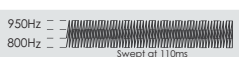
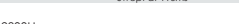
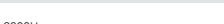
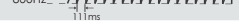
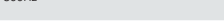
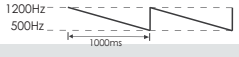
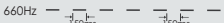
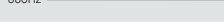
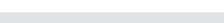
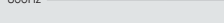
WIRING CONFIGURATION



tone & VOLUME SELECTION



TONE LIST - GRAPHICAL

no. name	1st stage frequency	1st stage graphical	2nd stage frequency	2nd stage graphical
1 LF Sweep (Cranford sweep)	800-1000Hz swept every 500ms (2Hz)		800Hz continuous	
2 Alternative warble BS	800Hz for 250ms, then 960Hz for 250ms		800Hz continuous	
3 Warble Tone BS	800Hz for 500ms, then 1000Hz for 500ms		800Hz continuous	
4 Alternative warble BS	500Hz for 250ms, then 600Hz for 250ms		500Hz continuous	
5 HF Back up Interrupted	2800Hz for 1000ms, then off for 1000ms		2800Hz continuous	
6 LF Back up Alarm	800Hz for 150ms, then off for 150ms		800Hz continuous	
7 HF Back up Interrupted (fast)	2800Hz for 150ms, then off for 150ms		800Hz continuous	
8 LF Continuous tone BS5839	800Hz continuous		800Hz continuous	
9 Sweep - 9Hz	800-900Hz swept every 1000ms (1Hz)		800Hz continuous	
10 Australian slow whoop	970Hz for 625ms, then off for 150ms		500-1200Hz for 3250ms, then off for 250ms	
11 Dutch sweep	970Hz continuous		500-1200Hz for 3500ms, then off for 500ms	
12 Analogue sweep	500-600Hz swept every 500ms (2Hz)		500Hz continuous	
13 Sweep - 3Hz	800-970Hz swept every 333ms (3Hz)		800Hz continuous	
14 Alternate HF slow sweep	2350-2900Hz swept every 333ms (3Hz)		2400Hz continuous	
15 Fast HF sweep	2400-2800Hz swept every 143ms (7Hz)		2400Hz continuous	
16 US Temporal Pattern LF	950Hz for 500ms on, 500ms off (x3), then 1500ms off		800Hz continuous	
17 Interrupted BS	800Hz for 500ms, then off for 500ms		800Hz continuous	
18 ISO 8201 LF BS5839 Pt 1	970Hz for 500ms, then off for 500ms		970Hz for 500ms, then off for 500ms	
19 Interrupted medium	1000Hz for 250ms, then off for 250ms		800Hz continuous	
20 ISO8201 HF	2850Hz for 500ms, then off for 500ms		2850Hz for 500ms, then off for 500ms	
21 Continuous	1000Hz continuous		1000Hz continuous	
22 LF Buzz	800-950Hz swept every 9ms (110Hz)		800Hz continuous	
23 HF Continuous	2800Hz continuous		2800Hz continuous	
24 Sweep	800-970Hz swept every 111ms (9Hz)		800Hz continuous	
25 German DIN tone	1200-500Hz swept every 1000ms (1Hz)		800Hz continuous	
26 Swedish Fire signal	660Hz for 150ms, then off for 150ms		660Hz for 150ms, then off for 150ms	
27 French tone AFNOR	554Hz for 100ms, then 440Hz for 400ms		800Hz continuous	
28 Swedish all clear signal	660Hz continuous		660Hz continuous	
29 US Temporal Pattern HF	2900Hz for 500ms on, 500ms off (x3), then 1500ms off		2900Hz continuous	
30 Siren 2 way ramp (short)	500-1200Hz rising for 250ms, then falling for 250ms		800Hz continuous	
31 FP1063.1-Telecom	800Hz for 250ms, then 970Hz for 250ms		800Hz continuous	
32 Siren 2 way ramp (long)	500-1200Hz rising for 3000ms, then falling for 3000ms		800Hz continuous	

TONE LIST - PERFORMANCE

no.	name	1st stage frequency	switch	typical current (mA)		typical sound output (dBA)	
				low	high	low	high
1	LF Sweep (Cranford sweep)	800-1000Hz swept every 500ms (2Hz)	11111	10.6	19.0	89.3	97.3
2	Alternative warble BS	800Hz for 250ms, then 960Hz for 250ms	11110	10.7	18.7	88.3	96.2
3	Warble Tone BS	800Hz for 500ms, then 1000Hz for 500ms	11101	10.5	18.3	88.3	96.4
4	Alternative warble BS	500Hz for 250ms, then 600Hz for 250ms	11100	7.9	13.5	87.2	95.0
5	HF Back up Interrupted	2800Hz for 1000ms, then off for 1000ms	11011	23.3	50.6	83.5	92.7
6	LF Back up Alarm	800Hz for 150ms, then off for 150ms	11010	9.6	16.8	85.7	93.5
7	HF Back up Interrupted (fast)	2800Hz for 150ms, then off for 150ms	11001	23.1	50.2	82.4	91.5
8	LF Continuous tone BS5839	800Hz continuous	11000	9.4	16.7	86.9	94.8
9	Sweep - 9Hz	800-900Hz swept every 1000ms (1Hz)	10111	10.2	18.2	89.7	97.5
10	Australian slow whoop	970Hz for 625ms, then off for 150ms	10110	10.8	19.2	88.3	96.3
11	Dutch sweep	970Hz continuous	10101	10.7	19.2	88.4	96.4
12	Analogue sweep	500-600Hz swept every 500ms (2Hz)	10100	7.7	12.8	87.6	95.4
13	Sweep - 3Hz	800-970Hz swept every 333ms (3Hz)	10011	10.4	18.6	89.2	97.1
14	Alternate HF slow sweep	2350-2900Hz swept every 333ms (3Hz)	10010	21.5	54.4	91.5	100.8
15	Fast HF sweep	2400-2800Hz swept every 143ms (7Hz)	10001	20.8	50.4	90.2	99.4
16	US Temporal Pattern LF	950Hz for 500ms on, 500ms off (x3), then 1500ms off	10000	10.5	18.9	88.3	96.2
17	Interrupted BS	800Hz for 500ms, then off for 500ms	01111	9.7	16.9	86.08	94.7
18	ISO 8201 LF BS5839 Pt 1	970Hz for 500ms, then off for 500ms	01110	10.7	19.2	88.3	96.3
19	Interrupted medium	1000Hz for 250ms, then off for 250ms	01101	10.9	19.1	87.8	95.8
20	ISO8201 HF	2850Hz for 500ms, then off for 500ms	01100	23.4	50.9	84.1	93.4
21	Continuous	1000Hz continuous	01011	11.0	19.4	88.3	96.5
22	LF Buzz	800-950Hz swept every 9ms (110Hz)	01010	10.2	18.4	88.8	96.7
23	HF Continuous	2800Hz continuous	01001	23.1	51.5	83.6	93.0
24	Sweep	800-970Hz swept every 111ms (9Hz)	01000	10.1	19.0	89.0	96.9
25	German DIN tone	1200-500Hz swept every 1000ms (1Hz)	00111	12.0	20.9	88.6	96.5
26	Swedish Fire signal	660Hz for 150ms, then off for 150ms	00110	8.6	14.5	84.5	92.2
27	French tone AFNOR	554Hz for 100ms, then 440Hz for 400ms	00101	7.2	11.5	86.4	94.1
28	Swedish all clear signal	660Hz continuous	00100	8.4	14.3	85.7	93.4
29	US Temporal Pattern HF	2900Hz for 500ms on, 500ms off (x3), then 1500ms off	00011	23.7	52.2	84.2	93.5
30	Siren 2 way ramp (short)	500-1200Hz rising for 250ms, then falling for 250ms	00010	9.0	22.4	88.1	96.0
31	FP1063.1-Telecom	800Hz for 250ms, then 970Hz for 250ms	00001	10.4	19.1	88.3	96.3
32	Siren 2 way ramp (long)	500-1200Hz rising for 3000ms, then falling for 3000ms	00000	11.0	20.5	89.5	97.4

