OEM Automatic Ltd
Address: Whiteacres, Whetstone Leicester, LE8 6ZG
0116 284 9900 | Orders@oem.co.uk | www.oem.co.uk

LED FLASHING BEACON/SOUNDER, CS1

C111221005
LED Alarm sounder, White housing, Amber, 24 V dc, CS1

- Vertical or horizontal mount, cost effective beacon with sounder
- 86-106 dB Range
- Flashing beacon with 32 tones

PRODUCT DESCRIPTION

The CS1 is a cost effective combination-module with flashing LEDs. Tone selection and noise levels are set using internal dip-switches and the unit is IP65 for mounting both indoors and outdoors.

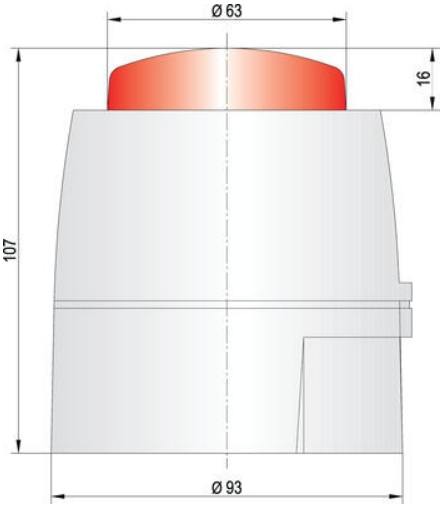
With 32 different tone settings available the CS1 is suitable for many signalling applications.

- cost effective LES flashing beacon electronic multitone siren
- 32 tones
- tone type and volume selectable via DIP switch
- low nominal current (11 - 37 mA)
- quick fit installation by bayonet fixing
- lateral cable entry possible

TECHNICAL DATA

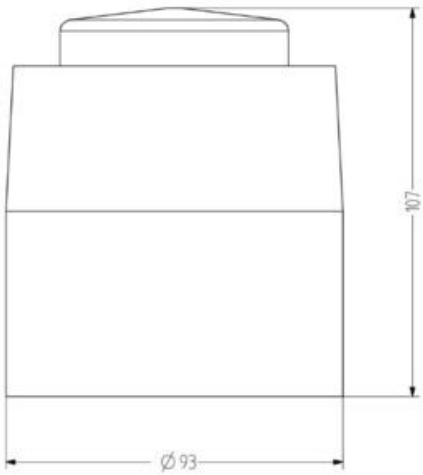
Flash frequency	1 Hz
Housing Colour	White
IP class	IP65
Lens colour	Orange
Light source	LED
Light type	Orange LED
Mounting	Horizontal, Vertical
Nominal current max	0,041 A
Nominal current min	0,014 A
Number of tones	32

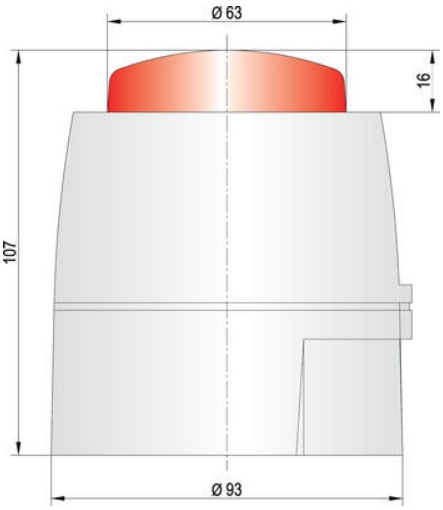
Sound control	Yes
Sound level max	109 dB
Sound level min	88 dB
Supply voltage	24 V
Supply voltage ac/dc max	35 V
Supply voltage ac/dc min	18 V
Temperature operational max	70 °C
Temperature operational min	-20 °C
Tone frequency max	2900 Hz
Tone frequency min	440 Hz
Weight	258 g

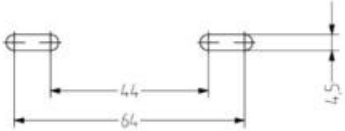


Tontabelle / Tone table

Nr.	Sound	Tone frequency	DIP-switch	2nd stage alarm (Hz)
1	LF Sweep	800 - 1000Hz @ 0.5 sec	11111	800 cont
2	Alternative wattle BS standard	800/960Hz @ 2Hz	11110	800 cont
3	Wattle Tone BS standard	800/1000Hz @ 0.5 sec	11101	800 cont
4	Alternative wattle BS standard	800/600Hz @ 2Hz	11100	800 cont
5	HF Back up interrupted tone	2800Hz @ 1.0 sec on/off	11011	2800 cont
6	LF Back up Alarm	800Hz @ 150 msec on/off	11010	800 cont
7	HF Back up interrupted tone - fast	2800Hz @ 150 msec on/off	11001	800 cont
8	LF Continuous tone BS5839	800Hz cont	11000	Same tone
9	Sweep tone [1Hz]	800/900Hz @ 1Hz	10111	800 cont
10	Australian slow whoop	Intermittent 970Hz 0.625ms on/0.625ms off	10110	500-1200 3.75 sec on 0.75 sec off
11	Dutch sweep tone	970Hz cont	10101	500-1200 3.5 sec on 0.5 sec off
12	Analogue sweep tone	500/600Hz @ 2Hz	10100	800 cont
13	Sweep tone [3Hz]	800/970Hz @ 3Hz	10011	800 cont
14	Alternate HF slow sweep	2350/2900Hz @ 3Hz	10010	2400 cont
15	Fast HF sweep	2400-2800Hz @ 7Hz	10001	2400 cont
16	US Temporal Pattern LF	950Hz for 0.5 sec on 0.5 sec off x3 then 1.5 sec then repeat	10000	800 cont
17	Interrupted tone BS standby	Interrupted tone 800Hz @ 0.5 sec on/off	01111	800 cont
18	ISO 8201 LF BS5839 Pt 1 1988	Intermittent 970Hz 500ms on/500ms of	01110	Same tone
19	Interrupted tone medium	1000Hz @ 0.25 sec on/off	01101	800 cont
20	ISO8201 HF	Intermittent 970Hz 500 ms on /500 ms off	01100	Same tone
21	Continuous tone	1000Hz continuous	01011	Same tone
22	LF Buzz	800-950Hz swept @ 110Hz	01010	800 cont
23	HF Continuous	2800Hz	01001	2800 cont
24	Sweep tone [1Hz]	800-970Hz @ 1Hz	01000	800 cont
25	German DIN tone	Sweep 1200-500Hz @ 1Hz	00111	800 cont
26	Swedish Fire signal	Intermittent 660Hz 150 ms on / 150 ms of	00110	Same tone
27	French tone AFNOR	554Hz for 100 ms and 440Hz for 400ms	00101	800 cont
28	Swedish all clear signal	Continuous 660Hz	00100	Same tone
29	US Temporal Pattern HF	2900Hz for 0.5 sec on 0.5 off x3, off for 1.5 sec then repeat	00011	2900 cont
30	Siren 2 way ramp [short	500/1200Hz rising then falling 8.25 se	00010	800 cont
31	FP 1063.1 - Telecare	Alternating tone 800/970 Hzeb 2H	00001	800 cont
32	Siren 2 way ramp [long	500/1200Hz 3 sec rising / 3 seg fallin	00000	800 cont







Tontabelle / Tone table

Nr.	Sound	Tone frequency	DIP-switch	2nd stage alarm (tbt)
1	LF Sweep	800 - 1000Hz @ 0.5 sec	1 1 1 1 1	800 cont
2	Alternative wartle BS standard	800/1000Hz @ 2Hz	1 1 1 1 0	800 cont
3	Wartble Tone BS standard	800/1000Hz @ 0.5 sec	1 1 1 0 1	800 cont
4	Alternative wartle BS standard	800/1000Hz @ 2Hz	1 1 1 0 0	900 cont
5	HF Back up interrupted tone	2800Hz @ 1.0 sec on/off	1 1 0 1 1	2800 cont
6	LF Back up Alarm	800Hz @ 150 msec on/off	1 1 0 1 0	800 cont
7	HF Back up interrupted tone - fast	2800Hz @ 150 msec on/off	1 1 0 0 1	800 cont
8	LF Continuous tone BS5809	800 hz cont	1 1 0 0 0	Same tone
9	Sweep tone (1Hz)	800/900Hz @ 1Hz	1 0 1 1 1	800 cont
10	Australian slow whoop	Intermittent 970Hz 0.625ms on/0.625ms off	1 0 1 1 0	500-1200 3.75 sec on 0.25 sec off
11	Dutch sweep tone	970Hz cont	1 0 1 0 1	500-1200 3.5 sec on 0.5 sec off
12	Analogue sweep tone	800/600Hz @ 2Hz	1 0 1 0 0	800 cont
13	Sweep tone (3Hz)	800/970Hz @ 3Hz	1 0 0 1 1	800 cont
14	Alternate HF slow sweep	2950/2600Hz @ 3Hz	1 0 0 1 0	2400 cont
15	Fast HF sweep	2400-2800Hz @ 7Hz	1 0 0 0 1	2400 cont
16	US Temporal Pattern LF	950Hz for 0.5 sec on 0.5 sec off x3 then 1.5 sec then repeat	1 0 0 0 0	800 cont
17	Interrupted tone BS staddor	Interrupted tne 800Hz @ 0.5 sec on/of	0 1 1 1 1	800 cont
18	ISO 8201 LF (8556/39 Pt 1 1989)	Intermittent 970Hz 500ms on/508ms of	0 1 1 1 0	Same tone
19	Interrupted tone medium	1000Hz @ 0.25 sec on/off	0 1 1 0 1	800 cont
20	ISO8201 HF	Intermittent 970Hz 500 ms on /500 ms off	0 1 1 0 0	Same tone
21	Continuous tone	1000 Hz continuous	0 1 0 1 1	Same tone
22	LF Buzz	800-950Hz swept @ 110Hz	0 1 0 1 0	800 cont
23	HF Continuous	2800Hz	0 1 0 0 1	2800 cont
24	Sweep tone (9Hz)	800-970Hz @ 9Hz	0 1 0 0 0	800 cont
25	German DIN tone	Sweep1200-500Hz @ 1Hz	0 0 1 1 1	800 cont
26	Swedish Fire sidna	Intermittent 660Hz 150 ms on / 150 ms of	0 0 1 1 0	Same tone
27	French tone AFNOR	554Hz for 100 ms and 440Hz for 400m	0 0 1 0 1	800 cont
28	Swedish all clear signal	Continuous 660Hz	0 0 1 0 0	Same tone
29	US Temperal Pattern HF	2900Hz for 0.5 sec on 0.5 off x3, off for 1.5 sec then repeat	0 0 0 1 1	2900 cont
30	Siren 2 way ramp (short	500/1200Hz rising then falling @ 2.5 se	0 0 0 1 0	800 cont
31	FP 1063.1 - Telecas	Alternating tone 800/970 Hz@ 2H	0 0 0 0 1	800 cont
32	Siren 2 way ramp (long	500/1200Hz 3 sec rising / 3 seg fallin	0 0 0 0 0	800 cont