

### Installation Instructions

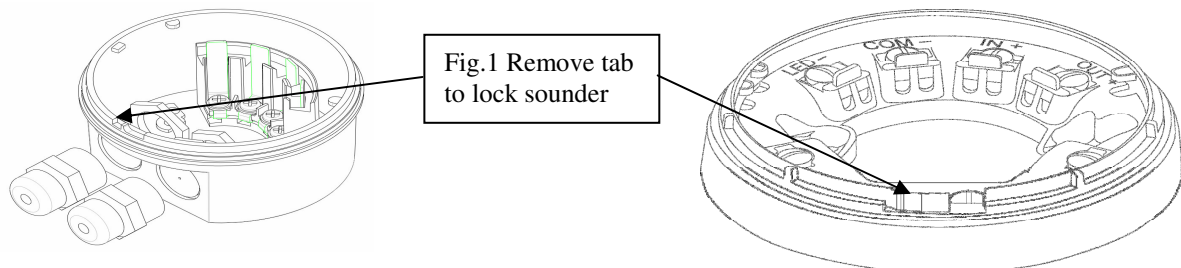
#### 1. Technical Specification: DC Sounder/LED Beacon with TimeSaver Base

Supply Voltage Range	17-60V DC	
Current	Sounder: 4-41mA*	Beacon: 5mA
Peak Sound Level:	94-106 dBA at 1m*	
Number of Tones:	32	
Frequency Range	400-2850 Hz*	
Operating Temperature:	- 25°C to +70°C	
Casing:	High Impact Polycarbonate	
IP Rating:	IP65 (with deep base)	
Synchronisation	Automatic with Klaxon Sonos and Nexus Sounders	

\*depends on selected tone and input voltage. See tone table for details. LPCB certified on tones 1,2,3,6,7 & 13 only.

#### 2. Installation

If required, the mechanism for locking the sounder to the base can be activated by removing the thin section of plastic shown in Fig. 1 with side cutters or a similar tool. To open a locked head, remove the small white bung from the hole on the side of the sounder, insert a tool into the hole and depress the clip whilst twisting the head. The O-ring and bung must be re-fitted to maintain the weatherproofing.



#### 3. Wiring

Line	Terminal Marking
Common Positive Supply IN	(3) IN+
Sounder Negative Supply	(2) — or COM -
Beacon Negative Supply	(1) 🎵/💡

The sounder and beacon 0V terminals can be linked together for simultaneous control of sound and light using a 2-core connection.

A separate earth terminal is provided on the deep base for connecting the screen or functional earth. On the shallow base, terminal 5 can be used for this purpose.

#### 4. Tone Selection and Volume Control

- The tone is selected using the 5 way dipswitch on the bottom of the sounder head. Refer to the table overleaf for details of the available tones and the switch settings required to select them.
- The sound output of the unit can be reduced by adjusting the potentiometer on the bottom of the sounder.

# Sonos

# Tone Table

TONE	TONE TYPE	TONE DESCRIPTION/ APPLICATION	DIP SWITCH 1_2_3_4_5	PEAK SOUND LEVEL (dBA @ 1m)	SOUNDER CURRENT (mA AVG)
1.	————	970Hz (BS5839-1:2002)	0-0-0-0-0	99	21
2.	ΠΠΠΠ	800Hz/970Hz @ 2Hz (BS5839-1:2002)	0-0-0-0-I	100	20
3.	∕∕∕∕	800Hz – 970Hz @ 1Hz (BS5839-1:2002)	0-0-0-I-0	100	20
4.	-----	970Hz 1s OFF/1s ON (Apollo Fire Systems Alert Tone, BS5839-1:2002)	0-0-0-I-I	99	14
5.	ΠΠΠΠ	970Hz, 0.5s/ 630Hz, 0.5s (Apollo Fire Systems Evacuate Tone, BS5839-1:2002)	0-0-I-0-0	99	19
6.	ΠΠΠ	554Hz, 0.1s/ 440Hz, 0.4s (France – AFNOR NF S 32 001 )	0-0-I-0-I	97	13
7.	∕∕∕	500 – 1200Hz, 3.5s/ 0.5s OFF (Netherlands – NEN 2575:2000)	0-0-I-I-0	99	16
8.	-----	420Hz 0.625s ON/0.625s OFF (Australia AS1670 Alert tone)	0-0-I-I-I	96	9
9.	∕∕∕	500 – 1200Hz, 0.5s/ 0.5s OFF x 3/1.5s OFF (Australia AS1670 Evacuation tone)	0-I-0-0-0	98	10
10.	ΠΠΠΠ	550Hz/440Hz @ 0.5Hz	0-I-0-0-I	97	14
11.	--- ---	970Hz, 0.5s ON/0.5s OFF x 3/ 1.5s OFF (ISO 8201 Low tone)	0-I-0-I-0	98	12
12.	--- ---	2850Hz, 0.5s ON/0.5s OFF x 3/1.5s OFF (ISO 8201 High tone)	0-I-0-I-I	94	21
13.	∩∩∩∩	1200Hz – 500Hz @ 1Hz (DIN 33 404)	0-I-I-0-0	99	17
14.	————	400Hz	0-I-I-0-I	95	13
15.	ΠΠΠΠ	550Hz, 0.7s/1000Hz, 0.33s	0-I-I-I-0	98	17
16.	∕∕∕∕	1500Hz – 2700Hz @ 3Hz (Vandal Alarm)	0-I-I-I-I	104	34
17.	————	750Hz	I-0-0-0-0	99	18
18.	————	2400Hz	I-0-0-0-I	106	45
19.	————	660Hz	I-0-0-I-0	96	17
20.	-----	660Hz 1.8s ON/1.8s OFF	I-0-0-I-I	96	12
21.	-----	660Hz 0.15s ON/0.15s OFF	I-0-I-0-0	96	11
22.	ΠΠΠΠ	510Hz, 0.25s/ 610Hz, 0.25s	I-0-I-0-I	98	15
23.	ΠΠΠΠ	800/1000Hz 0.5s each (1Hz)	I-0-I-I-0	100	21
24.	∕∕∕∕	250Hz – 1200Hz @ 12Hz	I-0-I-I-I	98	13
25.	∕∕∕∕	500Hz – 1200Hz @ 0.33Hz	I-I-0-0-0	99	17
26.	∕∕∕∕	2400Hz – 2900Hz @ 9Hz	I-I-0-0-I	101	40
27.	∕∕∕∕	2400Hz – 2900Hz @ 3Hz	I-I-0-I-0	104	40
28.	∕∕∕∕	800Hz – 970Hz @ 100Hz	I-I-0-I-I	100	20
29.	∕∕∕∕	800Hz – 970Hz @ 9Hz	I-I-I-0-0	99	20
30.	∕∕∕∕	800Hz – 970Hz @ 3Hz	I-I-I-0-I	100	20
31.	- -	800Hz, 0.25s ON/1s OFF	I-I-I-I-0	99	8
32.	∕∕∕	500Hz – 1200Hz, 3.75s/0.25s OFF (AS2220)	I-I-I-I-I	99	17

Refer to Klaxon Technical Specification 18-186215 for more detailed sound output data.



0832  
06  
0832-CPD-0297

EN54-3  
Fire Alarm Device – Sounder  
Type A: For indoor use (Shallow Base)  
Type B: For outdoor use (Deep Base)  
18-980502, 18-980505, 18-980516 & 18-980517  
Technical Data: Document 18-186215

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