

Installation Instructions

1. Technical Specification: DC Sounder with TimeSaver Base

Supply Voltage Range	9-60V DC	(EN54-3 > 17V only)
Current	4-41mA*	
Peak Sound Level:	94-106 dBA at 1m*	
Number of Tones:	32	(EN54-3 on tones 1,2,3,6,7 & 13 only)
Frequency Range	400-2850 Hz*	
Rating:	Continuous	
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.

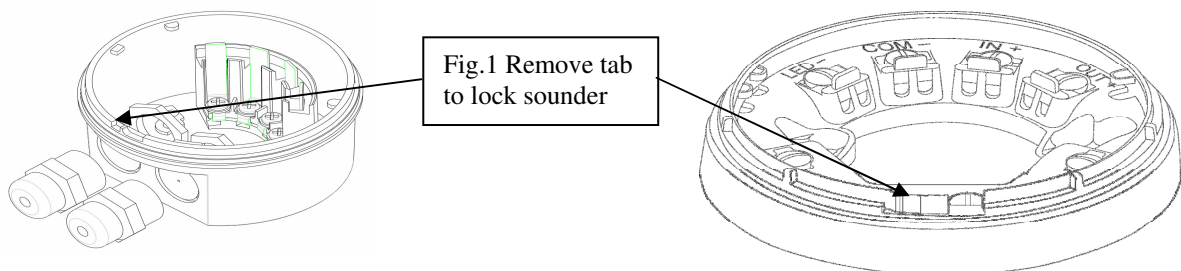
2. Installation

a. Locking Mechanism

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.

b. Weatherproof Installation (Deep Base Only)

The O-ring and bung must be fitted and suitable cable glands used to achieve an IP65 rating. In order to avoid collection of moisture in the speaker horn, the sounder should not be installed with the grille facing directly upwards.



3. Wiring

Line	Terminal
Positive Supply (9 to 60V DC)	(3) IN+
Negative Supply (0V)	(2) – or COM -
2 nd Stage Alarm Control (if required)	(1) 🎵/⚡

The second stage alarm ('remote tone switching') is activated by connecting '🎵/⚡' terminal to Negative (0V) Supply.

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.

TONE	TONE TYPE	TONE DESCRIPTION/ APPLICATION	DIP SWITCH 1 2 3 4 5	2ND STAGE TONE	PEAK SOUND LEVEL (dBA @ 1m)	SOUNDER CURRENT (mA AVG)
1.	————	970Hz (BS5839-1:2002)	0-0-0-0-0	18	99	17
2.	ΠΠΠΠ	800Hz/970Hz @ 2Hz (BS5839-1:2002)	0-0-0-0-I	1	100	16
3.	∩∩∩∩	800Hz – 970Hz @ 1Hz (BS5839-1:2002)	0-0-0-I-0	1	100	16
4.	-----	970Hz 1s OFF/1s ON (Apollo Fire Systems Alert Tone, BS5839-1:2002)	0-0-0-I-I	5	99	10
5.	ΠΠΠΠ	970Hz, 0.5s/ 630Hz, 0.5s (Apollo Fire Systems Evacuate Tone, BS5839-1:2002)	0-0-I-0-0	1	99	15
6.	ΠΠΠΠ	554Hz, 0.1s/ 440Hz, 0.4s (France – AFNOR NF S 32 001)	0-0-I-0-I	1	97	9
7.	∩∩∩	500 – 1200Hz, 3.5s/ 0.5s OFF (Netherlands – NEN 2575:2000)	0-0-I-I-0	1	99	12
8.	-----	420Hz 0.625s ON/0.625s OFF (Australia AS1670 Alert tone)	0-0-I-I-I	9	96	5
9.	∩∩∩	500 – 1200Hz, 0.5s/ 0.5s OFF x 3/1.5s OFF (Australia AS1670 Evacuation tone)	0-I-0-0-0	1	98	6
10.	ΠΠΠΠ	550Hz/440Hz @ 0.5Hz	0-I-0-0-I	19	97	10
11.	--- ---	970Hz, 0.5s ON/0.5s OFF x 3/ 1.5s OFF (ISO 8201 Low tone)	0-I-0-I-0	1	98	8
12.	--- ---	2850Hz, 0.5s ON/0.5s OFF x 3/1.5s OFF (ISO 8201 High tone)	0-I-0-I-I	1	94	17
13.	∩∩∩∩	1200Hz – 500Hz @ 1Hz (DIN 33 404)	0-I-I-0-0	1	99	13
14.	————	400Hz	0-I-I-0-I	18	95	9
15.	ΠΠΠΠ	550Hz, 0.7s/1000Hz, 0.33s	0-I-I-I-0	1	98	13
16.	∩∩∩∩	1500Hz – 2700Hz @ 3Hz (Vandal Alarm)	0-I-I-I-I	1	104	30
17.	————	750Hz	I-0-0-0-0	1	99	14
18.	————	2400Hz	I-0-0-0-I	1	106	41
19.	————	660Hz	I-0-0-I-0	18	96	13
20.	-----	660Hz 1.8s ON/1.8s OFF	I-0-0-I-I	19	96	8
21.	-----	660Hz 0.15s ON/0.15s OFF	I-0-I-0-0	19	96	7
22.	ΠΠΠΠ	510Hz, 0.25s/ 610Hz, 0.25s	I-0-I-0-I	1	98	11
23.	ΠΠΠΠ	800/1000Hz 0.5s each (1Hz)	I-0-I-I-0	1	100	17
24.	∩∩∩∩	250Hz – 1200Hz @ 12Hz	I-0-I-I-I	1	98	9
25.	∩∩∩∩	500Hz – 1200Hz @ 0.33Hz	I-I-0-0-0	1	99	13
26.	∩∩∩∩	2400Hz – 2900Hz @ 9Hz	I-I-0-0-I	18	101	36
27.	∩∩∩∩	2400Hz – 2900Hz @ 3Hz	I-I-0-I-0	18	104	36
28.	∩∩∩∩	800Hz – 970Hz @ 100Hz	I-I-0-I-I	1	100	16
29.	∩∩∩∩	800Hz – 970Hz @ 9Hz	I-I-I-0-0	1	99	16
30.	∩∩∩∩	800Hz – 970Hz @ 3Hz	I-I-I-0-I	1	100	16
31.	- -	800Hz, 0.25s ON/1s OFF	I-I-I-I-0	1	99	4
32.	∩∩∩	500Hz – 1200Hz, 3.75s/0.25s OFF (AS2220)	I-I-I-I-I	8	99	13

Refer to Klaxon Technical Specification 18-186213 for more detailed sound output data.



0832
06
0832-CPD-0298

EN54-3
Fire Alarm Device – Sounder
Type A: For indoor use (Shallow Base)
Type B: For outdoor use (Deep Base)
18-980527 & 18-980528
Technical Data: Document 18-186213

Klaxon Signals Ltd
Telephone:
Fax:
E-Mail:

Wrigley St., Oldham, OL4 1HW
Sales - **0161 287 5555**
0161 287 5511
sales@klaxonsignals.com

Technical Support - 0161 287 4029
Web:www.klaxonsignals.com