

# Sonos

## Installation Instructions

### 1. Technical Specification: AC Sounder

Voltage Range	110 or 230V AC 50/60Hz
Current	50mA
Peak Sound Level:	89-102 dBA at 1m*
Number of Tones:	32
Frequency Range	400-2850 Hz*
Rating:	Continuous
Operating Temperature:	- 25°C to +55°C
Casing:	High Impact Polycarbonate
IP Rating:	IP65 with deep base and suitable cable glands
Synchronisation	Automatic with other Klaxon 32 Tone Sounders

\*depends on selected tone

### 2. Installation

#### **IMPORTANT**

a) The unit should be fitted with a fused spur incorporating an all pole disconnection device providing 3mm contact separation in all poles. Ensure fuse, cable size and gland type are rated sufficiently for the total load on the sounder circuit.

b) Isolate the unit from the electricity supply before removing the cover. Only suitably qualified personnel should gain access to the unit to perform adjustments to the tone or volume.

**WARNING:** no user serviceable parts contained within the unit.

c) For installations requiring ingress protection from water the O-ring must be fitted between the sounder head and base.

To lock the sounder head onto the base simply locate and twist the head clockwise until it clicks home. A locked head is released by inserting a tool in the small hole on the side of the head and pressing to release the catch as the head is rotated anti-clockwise. The bung must be replaced to maintain the weatherproofing.


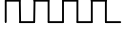

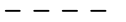


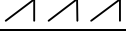
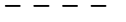

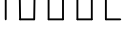



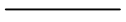




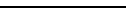
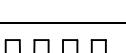








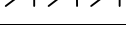

Connect the unit to the 110V or 230V AC supply as marked on the terminals. Two terminals are provided for each connection to allow cables to be looped in and out.

### 3. Tone Selection and Volume Control

- a. 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.
- b. The sound output of the unit can be reduced by adjusting the potentiometer on the bottom of the sounder.

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## Tone Table

TONE	TONE TYPE	TONE DESCRIPTION/ APPLICATION	DIP SWITCH 1_2_3_4_5	SOUND LEVEL (dBA @ 1m)
1		970Hz (BS5839-1:2002)	0-0-0-0-0	98
2		800Hz/970Hz @ 2Hz (BS5839-1:2002)	0-0-0-0-I	98
3		800Hz – 970Hz @` 1Hz (BS5839-1:2002)	0-0-0-I-0	97
4		970Hz 1s OFF/1s ON (Apollo Fire Systems Alert Tone, BS5839-1:2002)	0-0-0-I-I	98
5		970Hz, 0.5s/ 630Hz, 0.5s (Apollo Fire Systems Evacuate Tone, BS5839-1:2002)	0-0-I-0-0	98
6		554Hz, 0.1s/ 440Hz, 0.4s (France - AFNOR NF S 32 001 )	0-0-I-0-I	94
7		500 - 1200Hz, 3.5s/ 0.5s OFF (Netherlands – NEN 2575:2000)	0-0-I-I-0	98
8		420Hz 0.625s ON/0.625s OFF (Australia AS2220 Alert tone)	0-0-I-I-I	92
9		500 - 1200Hz, 3.75s/ 0.25s OFF (Australia AS2220 Evacuation tone)	0-I-0-0-0	99
10		550Hz/440Hz @ 0.5Hz	0-I-0-0-I	95
11		970Hz, 0.5s ON/0.5s OFF x 3/ 1.5s OFF (ISO 8201 Low tone)	0-I-0-I-0	98
12		2850Hz, 0.5s ON/0.5s OFF x 3/1.5s OFF (ISO 8201 High tone)	0-I-0-I-I	89
13		1200Hz – 500Hz @ 1Hz (DIN 33 404)	0-I-I-0-0	97
14		400Hz	0-I-I-0-I	92
15		550Hz, 0.7s/1000Hz, 0.33s	0-I-I-I-0	96
16		1500Hz - 2700Hz @ 3Hz (Vandal Alarm)	0-I-I-I-I	101
17		750Hz	I-0-0-0-0	97
18		2400Hz	I-0-0-0-I	102
19		750Hz 0.33s ON/0.51s OFF	I-0-0-I-0	97
20		750Hz 0.51s ON/0.33s OFF	I-0-0-I-I	97
21		800Hz 0.2s ON/0.2s OFF	I-0-I-0-0	99
22		510Hz, 0.5s/ 610Hz, 0.5s	I-0-I-0-I	97
23		550Hz, 0.33s/1000Hz, 0.7s	I-0-I-I-0	96
24		250Hz – 1200Hz @ 12Hz	I-0-I-I-I	92
25		500Hz – 1200Hz @ 0.33Hz.	I-I-0-0-0	98
26		2500Hz – 2850Hz @ 7Hz.	I-I-0-0-I	96
27		600Hz – 900Hz/ 0.9s	I-I-0-I-0	97
28		660Hz – 680Hz/ 0.9s	I-I-0-I-I	93
29		670Hz – 725Hz/ 0.9s	I-I-I-0-0	95
30		920Hz – 750Hz/ 0.9s	I-I-I-0-I	99
31		700Hz - 900Hz, 0.3s/0.6s OFF	I-I-I-I-0	97
32		900Hz - 760Hz, 0.6s/0.3s OFF	I-I-I-I-I	97