

# klaxon Sonos

## Universal Base-Sounder-Beacon

### Installation Instructions

#### 1. General

The Sonos Base-Sounder-Beacon is a high-efficiency (8mA) combined alarm sounder and beacon designed to accept a wide range of conventional detectors. The tones are fully compatible with other 32 tone sounders in the Klaxon Sonos, Syrex and Nexus ranges.

#### 2. Installation

The base-sounder-beacon can be secured to a conduit box or surface mounted. Base-sounders-beacons should be located to ensure correct operation of the detector in accordance with the detector manufacturer's recommendations and local regulations or codes of practice. Note that the sounder is classified as a Type A device according to EN54-3 and is only suitable for indoor use (IP21C), and with supply voltages in the range 17 to 28V DC.

The base-sounder-sounder is designed so that separate detector and sounder circuits can be connected.

**IMPORTANT:** Connect the sounder circuit *before* attaching the detector base to the sounder to ensure screwdriver access to the terminal blocks.

Connect the sounder circuit to the 2-way terminal blocks (Fig. 1). After connecting the sounder circuit, attach the detector base using the screws provided and connect to the detector circuit as normal. The detector and sounder circuits can be connected together for two wire operation if a panel with this capability is being used. (E.g. Savwire systems.)

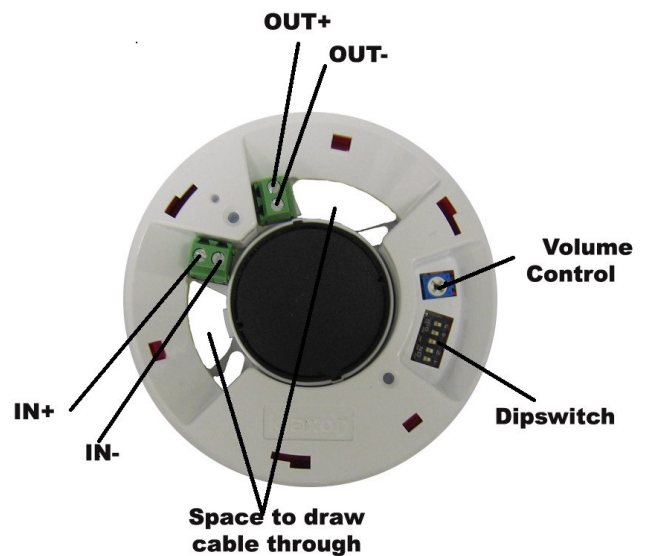


Figure 1

#### 3. Tone Selection and Volume Control

The tone is selected using the 5 way dipswitch on the PCB. 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 PCB.

#### 4. Stand-alone installation

The Universal Base-Sounder-Beacon can be used as a stand-alone device without a detector. For this purpose caps are available which are fitted instead of the detector.

Part number	Product Description
18-980686	White Cap
18-980687	Cream Cap



# 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	93	8
2.	ΠΠΠΠ	800Hz/970Hz @ 2Hz (BS5839-1:2002)	0-0-0-0-I	89	8
3.	∕∕∕∕	800Hz – 970Hz @ 1Hz (BS5839-1:2002)	0-0-0-I-0	92	8
4.	-----	970Hz 1s OFF/1s ON (Apollo Fire Systems Alert Tone, BS5839-1:2002)	0-0-0-I-I	92	8
5.	ΠΠΠΠ	970Hz, 0.5s/ 630Hz, 0.5s (Apollo Fire Systems Evacuate Tone, BS5839-1:2002)	0-0-I-0-0	92	8
6.	ΠΠΠΠ	554Hz, 0.1s/ 440Hz, 0.4s (France – AFNOR NF S 32 001 )	0-0-I-0-I	91	8
7.	∕∕∕∕	500 – 1200Hz, 3.5s/ 0.5s OFF (Netherlands – NEN 2575:2000)	0-0-I-I-0	91	8
8.	-----	420Hz 0.625s ON/0.625s OFF (Australia AS1670 Alert tone)	0-0-I-I-I	90	8
9.	∕∕∕∕	500 – 1200Hz, 0.5s/ 0.5s OFF x 3/1.5s OFF (Australia AS1670 Evacuation tone)	0-I-0-0-0	89	8
10.	ΠΠΠΠ	550Hz/440Hz @ 0.5Hz	0-I-0-0-I	91	8
11.	--- ---	970Hz, 0.5s ON/0.5s OFF x 3/ 1.5s OFF (ISO 8201 Low tone)	0-I-0-I-0	92	8
12.	--- ---	2850Hz, 0.5s ON/0.5s OFF x 3/1.5s OFF (ISO 8201 High tone)	0-I-0-I-I	85	8
13.	∕∕∕∕	1200Hz – 500Hz @ 1Hz (DIN 33 404)	0-I-I-0-0	91	8
14.	————	400Hz	0-I-I-0-I	81	8
15.	ΠΠΠΠ	550Hz, 0.7s/1000Hz, 0.33s	0-I-I-I-0	91	8
16.	∕∕∕∕	1500Hz – 2700Hz @ 3Hz (Vandal Alarm)	0-I-I-I-I	89	8
17.	————	750Hz	I-0-0-0-0	84	8
18.	————	2400Hz	I-0-0-0-I	86	8
19.	————	660Hz	I-0-0-I-0	91	8
20.	-----	660Hz 1.8s ON/1.8s OFF	I-0-0-I-I	91	8
21.	-----	660Hz 0.15s ON/0.15s OFF	I-0-I-0-0	91	8
22.	ΠΠΠΠ	510Hz, 0.25s/ 610Hz, 0.25s	I-0-I-0-I	91	8
23.	ΠΠΠΠ	800/1000Hz 0.5s each (1Hz)	I-0-I-I-0	87	8
24.	∕∕∕∕	250Hz – 1200Hz @ 12Hz	I-0-I-I-I	85	8
25.	∕∕∕∕	500Hz – 1200Hz @ 0.33Hz	I-I-0-0-0	90	8
26.	∕∕∕∕	2400Hz – 2900Hz @ 9Hz	I-I-0-0-I	82	8
27.	∕∕∕∕	2400Hz – 2900Hz @ 3Hz	I-I-0-I-0	81	8
28.	∕∕∕∕	800Hz – 970Hz @ 100Hz	I-I-0-I-I	87	8
29.	∕∕∕∕	800Hz – 970Hz @ 9Hz	I-I-I-0-0	92	8
30.	∕∕∕∕	800Hz – 970Hz @ 3Hz	I-I-I-0-I	91	8
31.	- -	800Hz, 0.25s ON/1s OFF	I-I-I-I-0	83	8
32.	∕∕∕∕	500Hz – 1200Hz, 3.75s/0.25s OFF (AS2220)	I-I-I-I-I	90	8

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