

Tone Table

TONE	TONE TYPE	TONE DESCRIPTION/ APPLICATION	DIL SWITCH 1_2_3_4_5	SOUND LEVEL (dBA @ 1m)	AVERAGE CURRENT (mA)
17	—	750Hz	I-0-0-0-0	86	6
18	—	2400Hz	I-0-0-0-1	86	4.8
19	- - - - -	750Hz 0.33s ON/0.51s OFF	I-0-0-1-0	86	3
20	- - - - -	750Hz 0.51s ON/0.33s OFF	I-0-0-1-1	86	4.3
21	- - - - -	800Hz 0.2s ON/0.2s OFF	I-0-1-0-0	86	2.6
22	□□□□□	510Hz, 0.5s/ 610Hz, 0.5s	I-0-1-0-1	91	5.8
23	□□□□□	550Hz, 0.33s/1000Hz, 0.7s	I-0-1-1-0	91	5.3
24	∩∩∩∩∩	250Hz – 1200Hz @ 12Hz	I-0-1-1-1	87	3.8
25	∩∩∩∩∩	500Hz – 1200Hz @ 0.33Hz.	I-1-0-0-0	92	5.1
26	∩∩∩∩∩	2500Hz – 2850Hz @ 7Hz.	I-1-0-0-1	94	4.8
27	∩∩∩∩∩	600Hz – 900Hz/ 0.9s	I-1-0-1-0	90	5.5
28	∩∩∩∩∩	660Hz – 680Hz/ 0.9s	I-1-0-1-1	85	4.5
29	∩∩∩∩∩	670Hz – 725Hz/ 0.9s	I-1-1-0-0	84	4.2
30	∩∩∩∩∩	920Hz – 750Hz/ 0.9s	I-1-1-0-1	93	6.1
31	∩∩∩∩∩	700Hz – 900Hz, 0.3s/0.6s OFF	I-1-1-1-0	90	4.6
32	∩∩∩∩∩	900Hz - 760Hz, 0.6s/0.3s OFF	I-1-1-1-1	91	4



Series 65 Sounder Base Installation Guide

General

This guide describes the installation of the following sounder

Part number	Product Description
45681-512	Series 65 Sounder Base
45681-513	Series 65 Sounder Base with diode

The Series 65 Sounder Base is a high-efficiency conventional alarm sounder incorporating a base for the Apollo Series 65 and 60 ranges of detectors. The product offers 32 tones which are shown in the table on pages 3 and 4.

Mounting and Location

The sounder base can be secured to a conduit box or surface mounted. Sounder Bases 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: The sounder is classified as a Type A device according to EN54-3, ie, is suitable for indoor use only.

Wiring

The sounder base is designed so that separate detector and sounder circuits can be connected. The sounder circuit is connected using the PCB mounted 4-way terminal block (Fig. 1). The detector circuit is connected using the terminals marked L1IN, L1OUT and L2 around the rim of the base in the same way as a standard detector base (Figs 1&2).

Two separate earth terminals are provided to allow the screen termination of earth conductors to maintain continuity between cables that contain an earth conductor. As this product is designed for use on conventional systems with separate detector and sounder circuits, the earths should not be connected together.

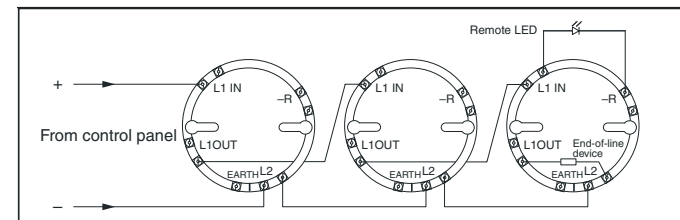


Fig 1 Detector circuit wiring diagram

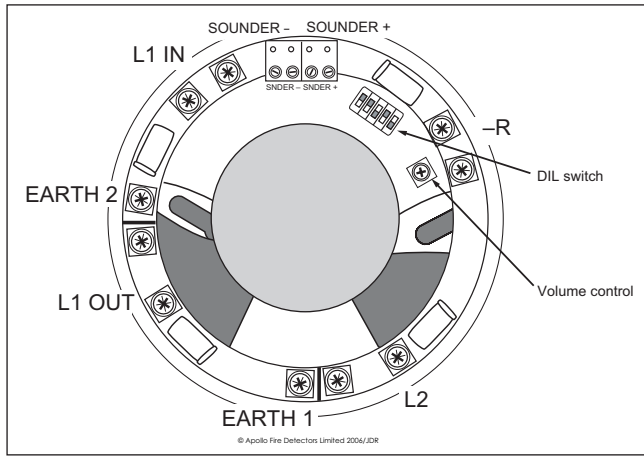


Fig 2 Series 65 Sounder Base Wiring

Tone Selection and Volume Control

The tone is selected using the 5 way DIL switch on the PCB. Refer to the table opposite 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.

Stand-alone installation

The Series 65 Sounder Base 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
45681-294	White cap
45681-295	Red cap

Technical Data

Operating voltage	17-60V DC
Current consumption	7mA
Volume at 1m	95±3dB(A)
Operating temperature	-10° to +55°C

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TONE	TONE TYPE	TONE DESCRIPTION/ APPLICATION	DIL SWITCH 1_2_3_4_5	SOUND LEVEL (dB(A) @ 1m)	AVERAGE CURRENT (mA)
1	—	970Hz (BS5839-1:2002)	0-0-0-0-0	91	5
2	□□□□□	800Hz/970Hz @ 2Hz (BS5839-1:2002)	0-0-0-0-1	91	5.2
3	∕∕∕∕∕	800Hz - 970Hz @ 1Hz (BS5839-1:2002)	0-0-0-1-0	95	5
4	— — — —	970Hz 1s OFF/1s ON (Apollo Fire Detectors Alert Tone, BS5839-1:2002)	0-0-0-1-1	91	3
5	□□□□□	970Hz, 0.5s/ 630Hz, 0.5s (Apollo Fire Detectors Evacuate Tone, BS5839-1:2002)	0-0-1-0-0	91	4.2
6	□□□□□	554Hz, 0.1s/ 440Hz, 0.4s (France - AFNOR NF S 32 001)	0-0-1-0-1	91	7
7	∕∕∕∕∕	500 - 1200Hz, 3.5s/ 0.5s OFF (Netherlands - NEN 2575:2000)	0-0-1-1-0	93	4.2
8	— — — —	420Hz 0.625s ON/0.625s OFF (Australia AS2220 Alert tone)	0-0-1-1-1	84	2.7
9	∕∕∕∕∕	500 - 1200Hz, 3.75s/ 0.25s OFF (Australia AS2220 Evacuation tone)	0-1-0-0-0	90	2
10	□□□□□	550Hz/440Hz @ 0.5Hz	0-1-0-0-1	91	5.1
11	— — — —	970Hz, 0.5s ON/0.5s OFF x 3/ 1.5s OFF (ISO 8201 Low tone)	0-1-0-1-0	91	2.6
12	— — — —	2850Hz, 0.5s ON/0.5s OFF x 3/1.5s OFF (ISO 8201 High tone)	0-1-0-1-1	91	2.2
13	∕∕∕∕∕	1200Hz - 500Hz @ 1Hz (DIN 33 404)	0-1-1-0-0	93	3.5
14	— — — —	400Hz	0-1-1-0-1	85	4.2
15	□□□□□	550Hz, 0.7s/1000Hz, 0.33s ('SafeSound')	0-1-1-1-0	90	5.5
16	∕∕∕∕∕	1500Hz - 2700Hz @ 3Hz (Vandal Alarm)	0-1-1-1-1	88	3.4