



Series 65 Sounder Base	▲ Part no
Sounder Base	45681-512
Sounder Base with Diode	45681-513

## SERIES 65 SOUNDER BASE

The Series 65 Sounder Base is a high-efficiency conventional alarm sounder incorporating a base for the Apollo Series 65 and Series 60 range of detectors. The product offers 32 tones which are shown in the table on page 16.

The sounder base can be secured to a conduit box, a sounder ceiling plate (part number: 45681-311) 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.

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. 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. 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.

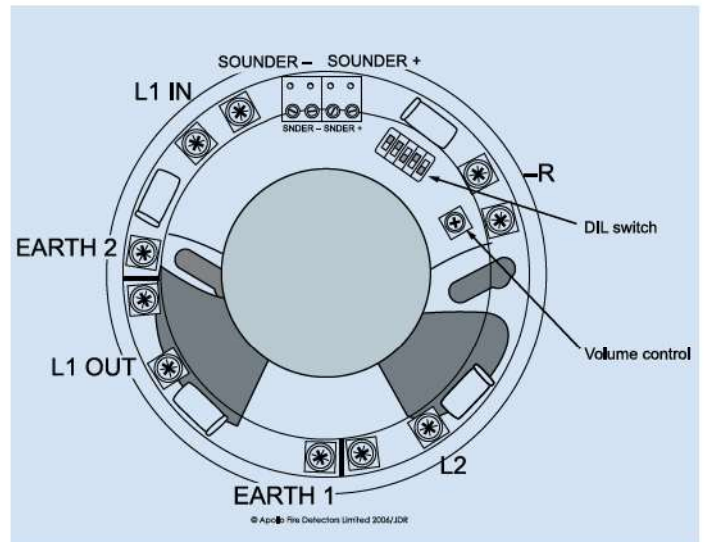











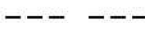
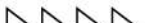



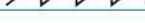











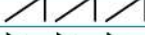


Fig.8 Wiring diagram of Series 65 Sounder Base

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		800/970Hz @ 2Hz (BS5839-1:2002)	0-0-0-0-1	91	5.2
3		800-970Hz @ 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, 0.04s (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/44Hz @ 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		1200-500Hz @ 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		1500-2700Hz @ 3Hz (Vandal Alarm)	0-1-1-1-1	88	3.4
17		750Hz	1-0-0-0-0	86	4.8
18		2400Hz	1-0-0-0-1	86	4.8
19		750Hz 0.33s ON/0.51s OFF	1-0-0-1-0	86	3
20		750Hz 0.51s ON/0.33s OFF	1-0-0-1-1	86	4.3
21		800Hz 0.2s ON/0.2s OFF	1-0-1-0-0	86	2.6
22		510Hz, 0.5s/610Hz, 0.5s	1-0-1-0-1	91	5.8
23		550Hz, 0.33s/1000Hz, 0.7s	1-0-1-1-0	91	5.3
24		250-1200Hz @ 12Hz	1-0-1-1-1	87	3.8
25		500-1200Hz @ 0.33Hz	1-1-0-0-0	92	5.1
26		2500-2850Hz @ 7Hz	1-1-0-0-1	94	4.8
27		600-900Hz/0.9s	1-1-0-1-0	90	5.5
28		600-680Hz/0.9s	1-1-0-1-1	85	4.5
29		670-725Hz/0.9s	1-1-1-0-0	84	4.2
30		920-750Hz/0.9s	1-1-1-0-1	93	6.1
31		700-900Hz, 0.3s/0.6s OFF	1-1-1-1-0	90	4.6
32		900-760Hz, 0.6s/0.3s OFF	1-1-1-1-1	91	4

**Table 3** Series 65 Sounder Base tone table