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601SB TYPE 'A' SOUNDER BASE - INSTALLATION INSTRUCTIONS

GREEN TEMPORARY PARK PLUNGER

Fig. 1: 601SB Sounder Base

TECHNICAL SPECIFICATION

System Compatibility: Primarily for use with Conventional Fire Alarm Controllers. When used with MX/Minerva, the wiring will require monitoring as the sounder is independent of the panel function, ie, not in Bell Map.

Environment: Indoor Application only

Operating Temperature: -25° to +70°C

Storage Temperature: -40° to +80°C

Operating Humidity: Up to 95% non-condensing

Dimensions:

Height: 37.5mm

Diameter: 107.8mm

Weight: 0.192kg

Mounting Requirements: Flat surface or electrical back box with 50mm fixing centres with the 4" flange.

Wire Size: Min 1.5mm^2
Max 2.5mm^2

Electrical Characteristics:

Sounder operating: 6.8mA at full volume (90dBA)
1.2mA at low volume (68dBA)

CAUTION

Ensure that site plan defines the polarity of polarity conscious bases.

Electromagnetic Compatibility:

The 601SB complies with the following:

Product family standard EN50130-4 in respect of Conducted Disturbances, Radiated Immunity, Electrostatic Discharge, Fast Transients and Slow High Energy.

EN50081-1 for emissions.

INTRODUCTION

The 601SB Sounder Base provides an additional sounder function on conventional fire detection circuits.

The 601SB Sounder Base operates independently of the detector circuit and may be used without an associated detector. When used without a detector, a cap Part No. 557.001.040.A.T.Y must be fitted and if loop wiring is required then the alternative wiring method must be used.

FEATURES

The 601SB Sounder Base provides eight tone and variable volume settings.

WIRING NOTES

The following notes apply:

1 All wiring must conform to the current edition of IEE Wiring Regulations and BS 5839 Part 1.

2 All wiring must be free of earths.

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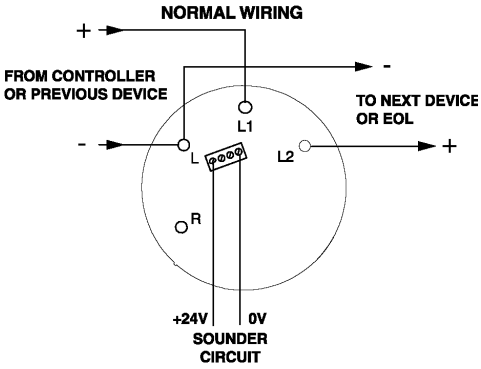

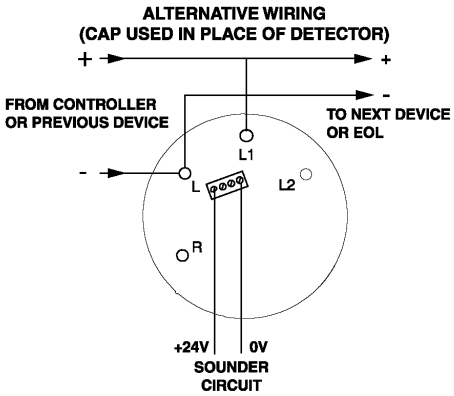

Fig. 2: Connections to 601SB Sounder Base

DIL Switch Settings					
1	**2**	**3**	**4**	**Response Sound**	**Marketing Tone No.**
0	0	0	x	Dutch	7
0	0	1	x	Temporal 4	-
0	1	0	x	Slow Sweep	3
0	1	1	x	March Time Beep	25
1	0	0	x	Fast Sweep	2
1	0	1	x	Temporal 3	-
1	1	0	x	Two Tone	11
1	1	1	x	Continuous	14

Table 1: DIL Switch Settings

TONE SELECTION SWITCHES

VOLUME ADJUSTOR
(CLOCKWISE TO INCREASE VOLUME

VOLUME TRIMMER TOOL

Fig. 3: Sounder Output Options

SETTING SOUNDER OUTPUT OPTIONS

The sounder outputs are set as follows:

- Tone - using the 4-way DIL switch (Fig. 3 and Table 1 refer).
- Volume - using a trimmer tool (S/C No. 517.050.015) (Fig. 3 refers).

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INSTALLATION TO A FLAT SURFACE OR ELECTRICAL BACKBOX

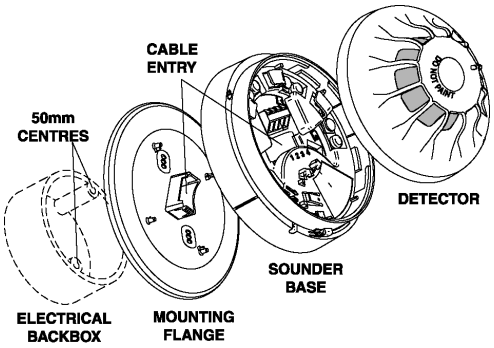

Fig. 4: Installing a sounder base

To install a sounder base, proceed as follows:

1 Feed the detection circuit and sounder wiring through the mounting flange cable entry.
2 Secure the mounting flange to either an electrical backbox or a flat surface as required.
3 Feed the detection circuit and sounder wiring through the sounder base cable entry, then clip the sounder base to the mounting flange.
4 Wire the sounder base as shown in Fig. 2 ensuring correct polarity.

Terminals 2 (+24V) and 3 (0V) may be used to carry the external supply to another device.

CAUTION

Do not fill the sound gap between the mounting flange and the sounder base.

Note: For LPCB approval, detectors and caps must be locked into the sounder base using a locking device (Factory fitted). Ensure that the locking device is in place before fitting a detector or cap. See Fig. 5.

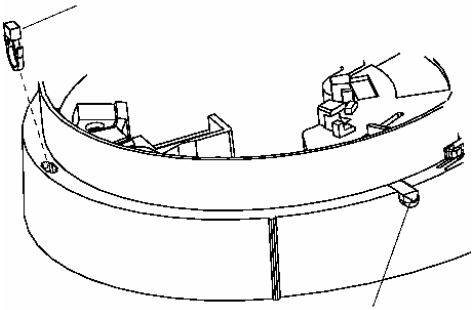

Fig. 5: Locking Device

CABLING

Cables are to be selected in accordance with Publication 17A-02-D1 and the requirements of the current issue of BS5839. A maximum of 2 x 1.5mm^2 or 1 x 2.5mm^2 cable may be connected at any one terminal.

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CPR INFORMATION

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DoP-2015-4014

EN 54-3:2001 + A1: 2002

Conventional Type A sounder base for use in fire detection and alarm systems in buildings.

601SB

Essential Characteristics

EN 54-3:2001 + A1: 2002

Performance under fire condition: Pass
Operational reliability: Pass
Durability of operational reliability: temperature resistance: Pass
Durability of operational reliability; humidity resistance: Pass
Durability of operational reliability; corrosion resistance: Pass
Durability of operational reliability: shock and vibration resistance: Pass
Durability of operational reliability; electrical stability: Pass
Durability of operational reliability: resistance to ingress: Pass

Installation Instructions: 120.415.558_01B-9-I1

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