

DOCUMENT CONTROL NUMBER

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802SB ADDRESSABLE SOUNDER BASE INSTALLATION INSTRUCTIONS



Fig. 1 802SB Sounder Base

1. TECHNICAL SPECIFICATION

System Compatibility: Use only with MX Fire Alarm Controllers

Environment: Indoor Application only

Operating Temperature: -10° to +55°C

Storage Temperature: -25° to +70°C

Operating Humidity: Up to 95% non-condensing

Dimensions:

Height: 36.6mm

Diameter: 107.8mm

Weight: 0.186kg

Mounting Requirements: 801B base, 801IB base or BESA with 50mm fixing centres.

Wire Size: Min 1.5mm²
Max 2.5mm²

Electrical Characteristics:

Standby: 200µA typical

Alarm: 6.8mA at full volume
1.2mA at low volume

CAUTION:

ENSURE THAT SITE PLAN DEFINES THE POLARITY OF POLARITY CONSCIOUS BASES.

Electromagnetic Compatibility:

The 802SB 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

2. INTRODUCTION

The 802SB Addressable Sounder Base provides an additional sounder function on the addressable loop circuit.

The 802SB Sounder Base requires an associated detector in order to operate, as it uses the address of the detector that is fitted to it. Removal of the detector or loss of power to the loop will cause the sounder to cease operating.

A maximum of 50 Sounder Bases at full volume may be connected to the loop.

3. FEATURES

The 802SB provides eight tone and two volume settings.

4. SETTING SOUNDER OUTPUT OPTIONS

The sounder outputs are set as follows:

- Tone - using the 4-way DIL switch (Fig. 2 and Table 1 refer).
- Volume - using the trimmer tool (S/C No. 517.050.015) (Fig. 2 refers).

Table 1 gives the sounder tone options available.

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

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17A-03-SB2

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5. WIRING NOTES

The following notes apply:

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



TONE SELECTION SWITCHES
VOLUME ADJUSTOR
(ANTI-CLOCKWISE TO DECREASE VOLUME)



THE POT ADJUSTER IS COVERED BY A VOLUME POT BLANK LABEL (ONLY TO BE REMOVED IF VOLUME TO BE REDUCED). THE LABEL MUST BE REFITTED AFTER ANY ADJUSTMENT. IF THE LABEL IS DAMAGED IT MUST BE REPLACED BY A NEW ONE.

VOLUME TRIMMER TOOL



Fig. 2

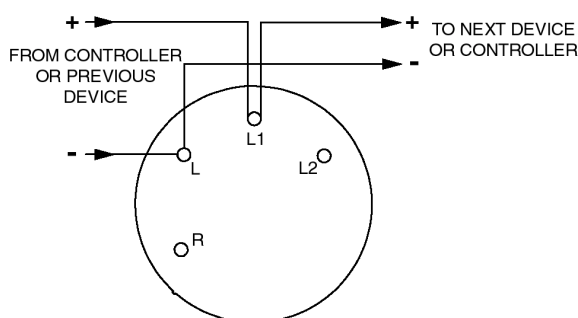


Fig. 3 Connections to 802SB Sounder Base

5.1 MOUNTING

5.1.1 INSTALLATION TO A FLAT SURFACE OR ELECTRICAL BACKBOX

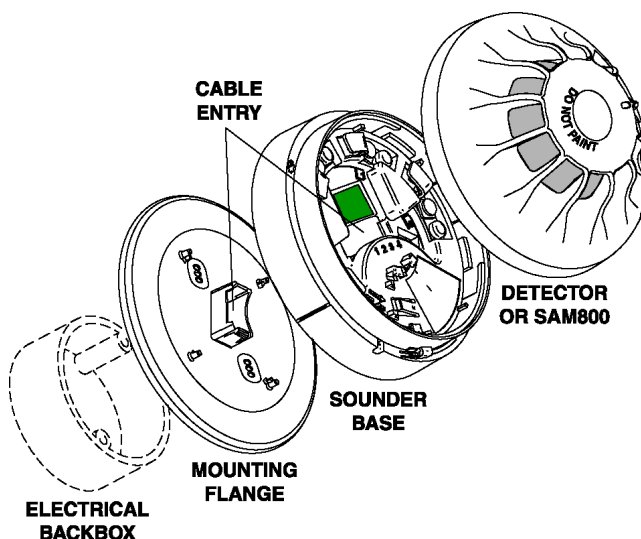


Fig. 4 Fitting to a Flat Surface or an Electrical Backbox

To install a sounder base, proceed as follows:

- Feed the addressable loop wiring through the mounting flange cable entry.
- Secure the mounting flange to either an electrical backbox or a flat surface as required.
- Feed the addressable loop wiring through the sounder base cable entry, then clip the sounder base to the mounting flange.
- Wire the sounder base as shown in Fig. 2 ensuring correct polarity.

Note: *Do not connect any external wiring to connection L2.*

- Fit the address flag to the detector. Fit the detector to the sounder base, (the address flag will be transferred to the sounder base).

CAUTION:

1
DO NOT FILL SOUND GAP BETWEEN MOUNTING FLANGE AND SOUNDER BASE.

2
DO NOT CONNECT ANY EXTERNAL WIRING TO CONNECTION L2.

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.*

The Volume Pot Blank Label must be fitted.

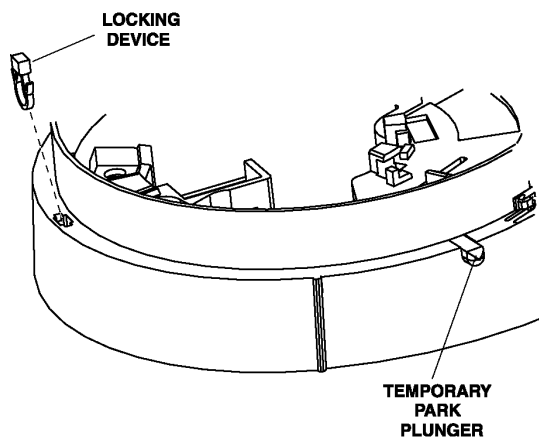


Fig. 5 Locking Device

6. CABLING

Cables are to be selected in accordance with Publication 05A-02-D1 and the requirements of the current issue of BS5839.

A maximum of 2 x 1.5mm² or 1 x 2.5mm² cable may be connected at any one terminal.

7. 'MX CONSYS' CONFIGURATION

The 802SB is configured in MX CONSYS (refer to Publication 17A-06-X1 - MX CONSYS Configuration Tool) as follows:

- When a Sounder Base unit is Attached to an addressable detector, the "Point" and "Point Type" configuration in MX CONSYS requires that the Sounder Base is added to the detector configuration. To add the Sounder Base to the point, select the point, select the 'Advanced' option then click the Sounder box.
- MX will regard such a device primarily as a detector, but additionally, it will allow output commands like "Switch ON", "Switch OFF", "Switch to P1", "Force", etc. to be fired at the Group assigned. These commands will only affect the output and not the detector.

7.1 BELL MAPPING

If it is required for the output to operate as a Bell Map output, then put the Input Group to which the device belongs must be put into the Bell Map Outputs Supergroup.

To achieve this, select group 50 Bell Map Output SG and then select "Edit Members". Use "Add member" to append the Bell Map Output SG with the points Input Group.

If the sounder base needs including in any sounder Walk Test then super group number 51 "Sounders to walktest SG" will have to be edited to add the point's input group to the list of supergroup members.

7.2 OPERATING SOUNDER BASES

An addressable detector fitted with a Sounder Base is treated almost as two separate devices; an input and an output. However, this separation is not perfect and there are some resources which are shared. For example, there is only one Point Description - also, both input and output share the same Zone assignment. These examples are obvious, since they derive from the fact that there is only one device configured into MX CONSYS for each I/O unit.

Using MX, the Sounder Base can be Isolated and De-isolated independently from the detector. There are two separate isolate states, one for the input and one for the output.

8. ORDERING INFORMATION

802SB Sounder Base:	516.800.910
Volume Adjustment Trimmer Tool:	517.050.015
Volume Pot Blank Label (Strip of 10):	517.050.022

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4th July 2008