TECHNICAL SPECIFICATION

System Compatibility: use only with FC Fire Alarm Controllers
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
(including mounting flange): 37.5 mm
Diameter: 110 mm
Weight: 0.186 Kg
Mounting Requirements: Flat surface or suitable electrical backbox with 50 to 70 mm fixing centres with the 4" flange.
Electrical Characteristics:
Standby: 200 μA typical
Alarm: 6.8 mA at full volume (90 dBA)
1.2 mA at low volume (68 dBA)

⚠ **CAUTION: ENSURE THAT SITE PLAN DEFINES THE POLARITY OF POLARITY CONSCIOUS BASES.**

Electromagnetic Compatibility
The FC430SB complies with the following:
- product family standard EN50130-4 in respect of Conducted Disturbances, Radiated Immunity, Electrostatic Discharge, Fast Transients and Slow High Energy;
- EN61000-6-3 for emissions.

INTRODUCTION

The FC430SB Loop Low Power Sounder Base provides an additional sounder function on the FC addressable loop circuit. The FC430SB Loop Low 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 45 Sounder Bases at full volume may be connected to the loop.

FEATURES

The FC430SB provides eight tone and variable volume settings.

WIRING NOTES

The following notes apply.
1) All wiring must conform to the applicable standards.
2) All wiring must be free of earths.

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 the trimmer tool (FC490VA) (Fig. 3 refers).

DIL SWITCHS 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	Continuos*	14

TAB. 1 **) These tones are not LPCB approved*

INSTALLATION TO A FLAT SURFACE OR ELECTRICAL BACKBOX

To install a sounder base, proceed as follows.
1) Feed the addressable loop 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 addressable loop wiring through the sounder base cable entry, then clip the sounder base to the mounting flange.

FIG. 1 *Loop Low Power Sounder Base*

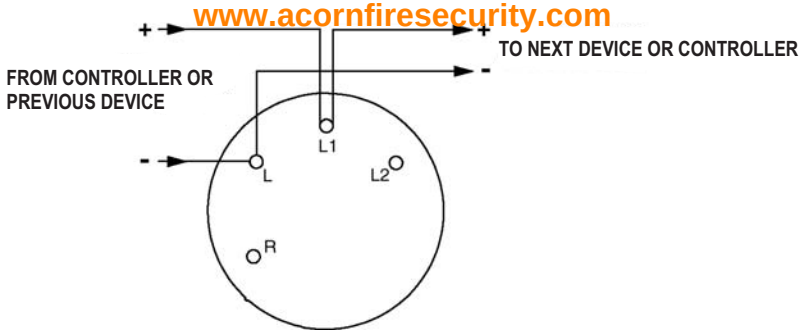

FIG. 2 *Connections to FC430SB Sounder Bases*

4) Wire the sounder base as shown in Fig. 2 ensuring correct polarity.
5) Fit the address flag to the detector, see Fig.5.
6) Fit the detector to the sounder base, (the address flag will be transferred to the sounder base).

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

⚠ **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. 6. The Volume Pot Blank Label must be fitted.*

CABLING

Cables are to be selected in accordance with the system design document and the requirements of the applicable standards. The maximum section of the cable that can be connected at any one terminal is 2.5mm^2.The section is calculated based on the characteristics of the cable and the load.

PANEL CONFIGURATION

When a Sounder Base unit is attached to on addressable detector, the Sounder Base option must be set in the detector configuration.

ORDERING INFORMATION

FC430SB: Low Power Sounder Base.
FC490VA: Volume Adjustment Trimmer Tool.
Volume Pot Blank Label (Sheet of 144).

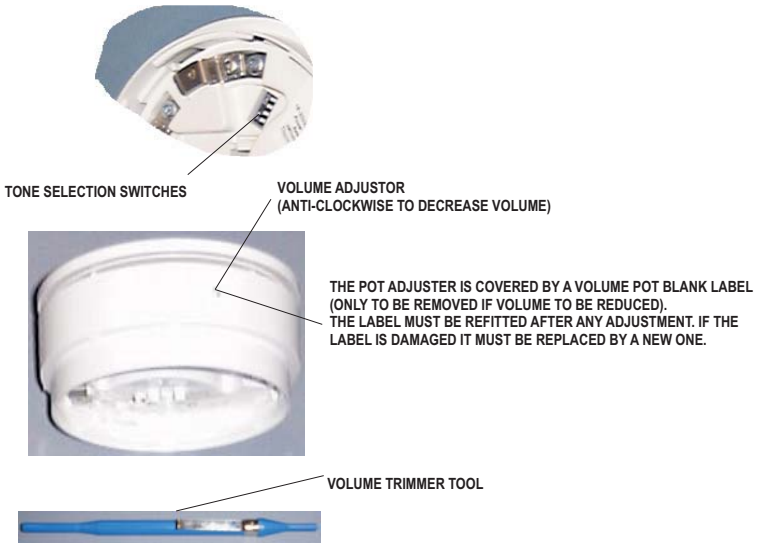

FIG.3 *FC430SB Sounder Base*

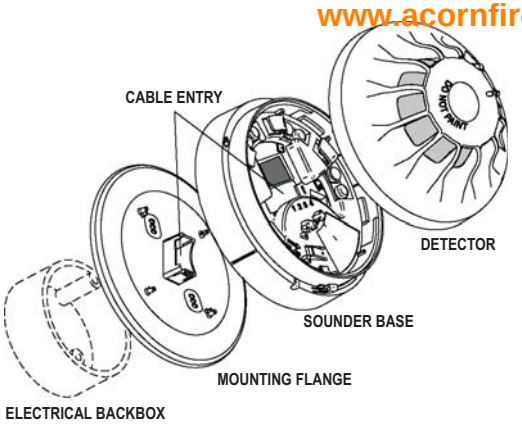

FIG. 4 *Installation to a flat surface or electrical backbox*

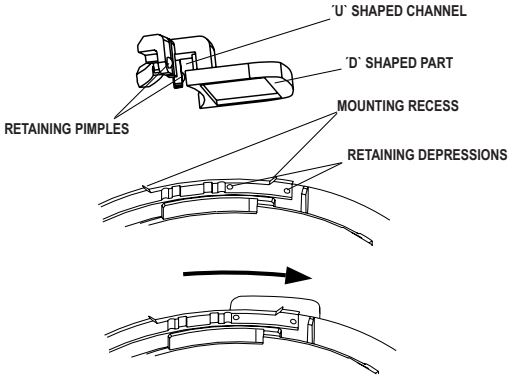

FIG. 5 *Fitting Address Label Carrier*

RECYCLING INFORMATION

Customers are recommeded to dispose of their used equipments (panels, detectors, sirens, and other devices) in an environmentally sound manner. Potential methods include reuse of parts or whole products and recycling of products, components, and/or materials.

WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT (WEEE) DIRECTIVE

In the European Union, this label indicates that this product should NOT be disposed of with household waste. It should be deposited at an appropriate facility to enable recovery and recycling.

The manufacturer reserves the right to change the technical specifications of this product without prior notice.

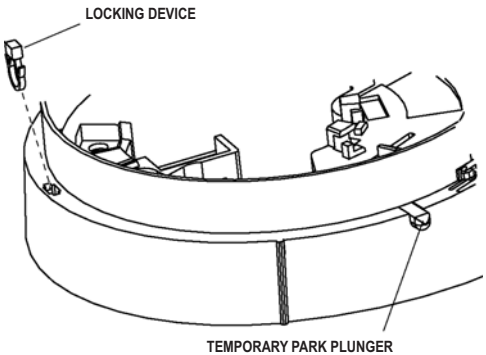

FIG. 6 *Locking Device and Temporary Park Plunger*