

### Functional Test Data

The Ancillary Base Sounder is loop powered and controlled by the control panel using output bit '0' in the communication protocol.

Protocol bit use

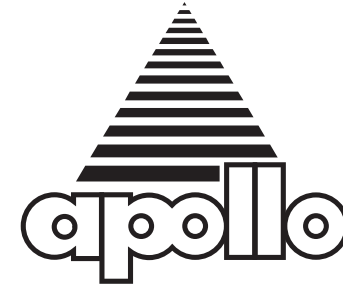
OUTPUT BIT	FUNCTION	INPUT BIT	FUNCTION
0	sounder continuous	0	confirmation of sounder continuous

### Troubleshooting

Before investigating individual units for faults, it is important to check the system wiring is fault free. Earth faults on data loops may cause communication errors.

### Fault Finding

Problem	Possible Cause
No response or missing	Incorrect address setting Incorrect loop wiring Too many sounders between isolators
Sounder fails to operate	Control panel has incorrect cause & effect programming Detector not fitted or faulty



## Ancillary Base Sounder Installation Guide

### General

The Ancillary Base Sounder, part no. 45681-276, incorporates an XP95/Discovery base. The sounder may be connected only to control panels which use the XP95 digital protocol.

The Ancillary Base Sounder is controlled by the detector associated with it and does not have a separate address of its own. It operates when the remote output of the associated detector is switched and may be used only in conjunction with control panels designed to be used with Ancillary sounders. The sounder will not operate unless an XP95 or Discovery detector is fitted.

*Notes: The Ancillary Base Sounder does not feature an alert tone and sounders can not be synchronised.  
The Ancillary Base Sounder is not suitable for outdoor use.*

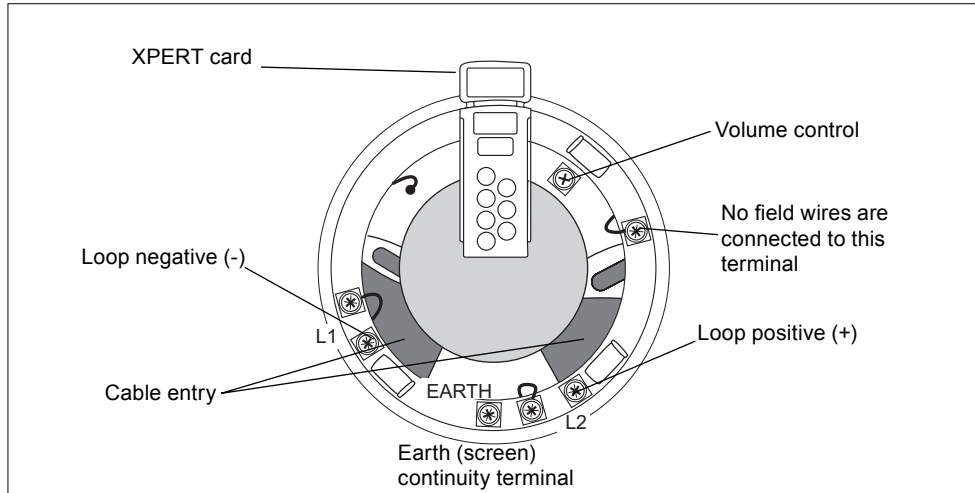
**Mounting Instructions**

The Ancillary Base Sounder may be secured to a UK standard conduit box or surface mounted (providing there is access through the surface for cabling).

**Wiring details**

*Note: The sounder is polarity sensitive (supply reversal protected) and will not function if it has been wired incorrectly.*

Connect the positive and negative XP95/Discovery loop cables to the L2 and L1 terminals respectively, observing polarity. The wiring terminals accept solid or stranded cables up to 2.5mm<sup>2</sup>. Functional earth or screen cables may be terminated to the EARTH connection.



Wiring diagram—Ancillary Base Sounder

**Maximum Loop Current Consumption at 24V**

Quiescent	<100µA
Operated 85dB(A)	3.2mA

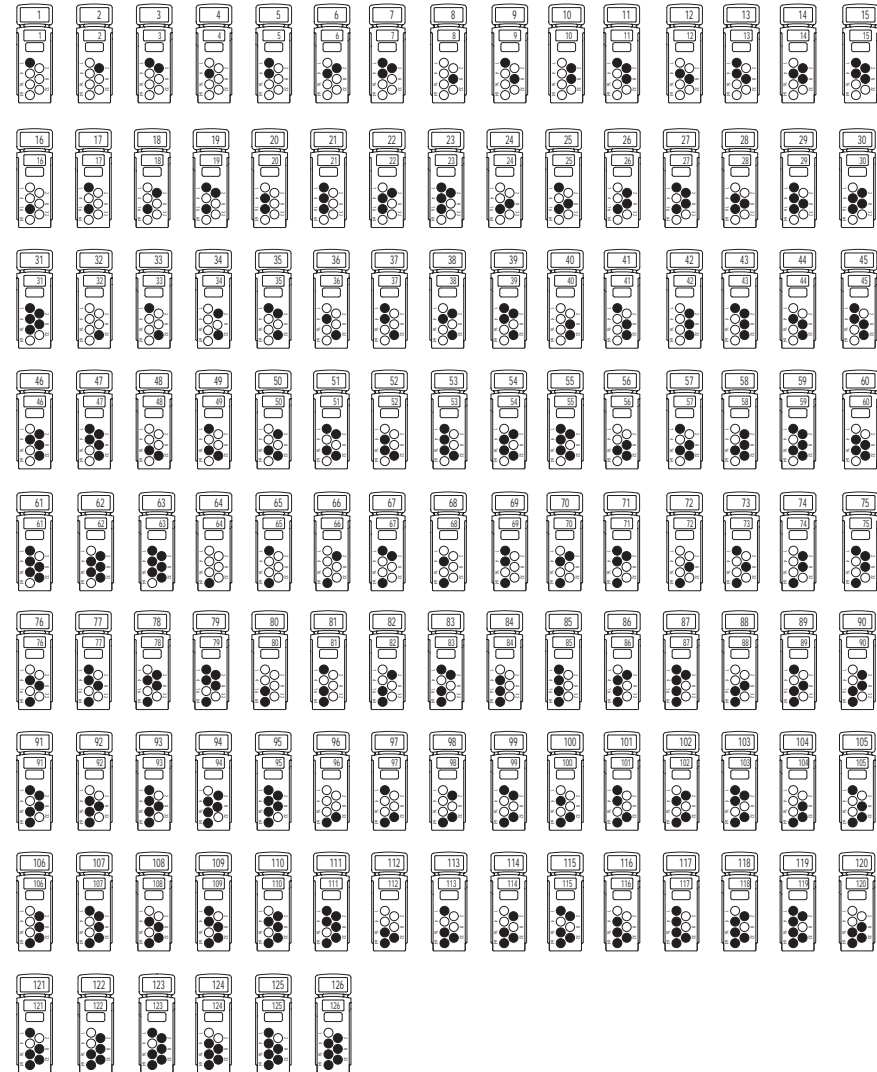
The maximum number of Ancillary Base Sounders with detectors permitted between standard XP95 isolators is 20. If this limit is exceeded, short-circuit isolators may trip and a fault will be reported at the control panel.

**Address Setting**

The address of the base sounder is set by means of the XPERT card. A complete diagram of address settings is shown below.

**XPERT card addressing**

Select the desired address and remove the pips indicated in black. Remove pips with a screwdriver.



**Commissioning**

It is important that the Ancillary Base Sounder be fully tested after installation. A Test Set, part no. 55000-870, may be used to carry out functional testing of individual units. The test set can also perform data integrity tests of an entire system.

**Volume Control**

The volume control can be used to reduce the sound steplessly from 85dB(A) to 70±5dB(A).