

ANCILLARY BASE SOUNDER

APPLICATION

The Ancillary Base Sounder is a local-area sounder designed for indoor use. It can be connected only to detection systems using XP95 or Discovery detectors and control panels with appropriate software.

FEATURES

The sounder incorporates a base into which a loop-powered beacon or an XP95 or Discovery detector is fitted. It is powered by the control panel via the loop wiring to which it is connected. Since the sounder is switched by the remote indicator output of the associated detector or beacon no remote indicator facility is available.

A guaranteed sound output of 85dB(A) at 1 metre is achieved at a current consumption of only 3mA. The sounder generates very low current noise so that up to 126 sounders may be connected to a loop.

In order to determine the exact number in a loop please use the Loop Calculator program available as a free download on Apollo's website which is www.apollo-fire.co.uk

ELECTRICAL CONSIDERATIONS

The Ancillary Base Sounder is loop-powered and requires no external power supply. It operates at 17–28V DC.



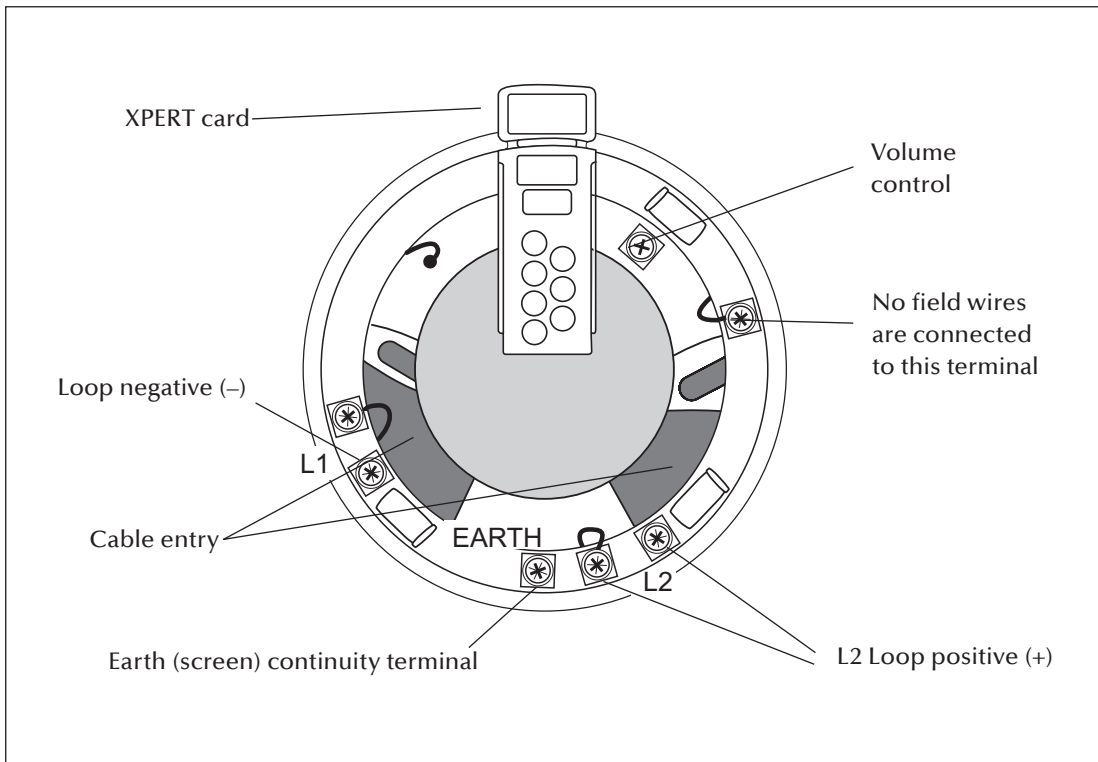
Part no 45681-276 with XP95 optical detector fitted

TONE FREQUENCY AND VOLUME CONTROL

The sounder produces an uninterrupted alternating tone of 990Hz for 0.5 seconds and 630Hz for 0.5 seconds. The volume control can be used to adjust the sound steplessly from 70dB(A) to 85dB(A). It should be noted that these sounders do not have a synchronisation feature or pulsed tone.

ADDRESSING

The Ancillary Base Sounder responds to signals from the associated detector or beacon. It does not have an address of its own.



Ancillary base sounder—connection diagram

PROTOCOL COMPATIBILITY AND STANDARDS

The sounder will operate only with control equipment using the Apollo protocol. The features of the Ancillary Base Sounder are available only when the sounder is connected to a control panel with the appropriate software.

The sounder complies with EN54-3: 2001.

MECHANICAL CONSTRUCTION

The sounder is made of white polycarbonate with stainless steel contacts.

DIMENSIONS OF SOUNDER

Diameter x height	115 x 38mm
Fixing centres	50–60mm
Weight	140g

Technical Data

Operating voltage	17–28V DC (polarity sensitive)
Current consumption at 24V	
quiescent	<100µA
sounder operated	3mA
Sound pressure level at 1m	85dB(A)
Frequency	990Hz for 0.5s, 630Hz for 0.5s
Operating temperature	–20°C to +60°C
Humidity (no condensation)	0–95%
IP rating	23D (to BS EN 60529:1992)
Sound pressure level published in document PP2203 available on request.	

