

Functional Test Data

The sounder is controlled by the control panel using the output bits in the communication protocol.

Protocol bit use:

Output Bit	Function	Input Bit	Function
2	group mode 1 = off 0 = on	2	group mode confirmed 1 = group 0 = individual
1	pulsed mode 1 = on 0 = off	1	pulsed mode confirmed 1 = on 0 = off
0	continuous mode 1 = on 0 = off	0	continuous mode confirmed 1 = on 0 = off

Fault Finding

Problem	Possible Cause
No response or missing	Incorrect address setting Incorrect loop wiring (polarity reversed) Too many sounders between isolators
Analogue value 4 Analogue value 1 Sounder fails to operate	Incorrect group address or address setting Sounder test failed Control panel has incorrect cause and effect programming Incorrect group address setting

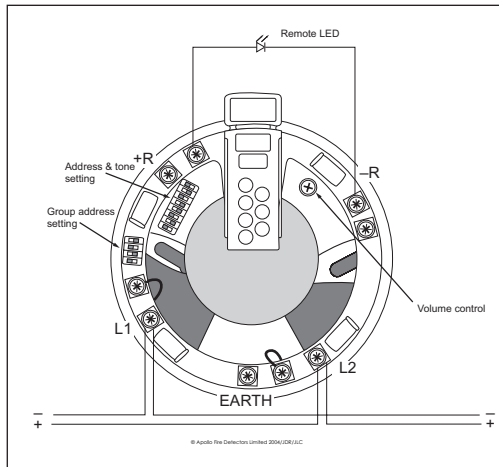


Fig. 2 Integrated Base Sounder wiring

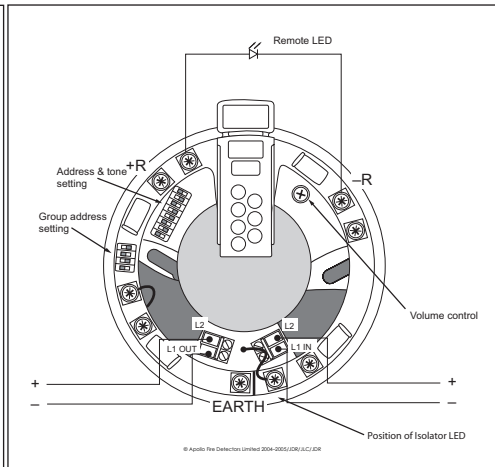


Fig. 3 Integrated Base Sounder with isolator wiring

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 Apollo Fire Detectors Limited, 36 Brookside Road, Havant, Hants, PO9 1JR, UK
 Tel +44 (0)23 9249 2412 Fax +44 (0)23 9249 2754
 Email: techsales@apollo-fire.co.uk Website: www.apollo-fire.co.uk



Integrated Base Sounder Installation Guide

General

This guide describes the installation of the following sounders

Part number	Product Description
45681-278	Integrated Base Sounder
45681-277	Integrated Base Sounder & Isolator
45681-291	Slow Whoop version to Dutch Standard NEN2575
45681-290	Slow Whoop version to Dutch Standard NEN2575 & Isolator
45681-292	White Cap only
45681-293	Red Cap only

Connect the sounders only to control panels using either the XP95 or the Discovery protocol.

Note: The Integrated Base Sounder is not suitable for outdoor use.

Mounting Instructions

The sounders may be secured to a UK standard conduit box or surface mounted (providing there is access through the surface for cabling). If a detector is fitted, lock it if required by screwing in the grub screw on the head with a 1.5mm hex driver (part no 29600-095)

Wiring Details

Note: The sounders are polarity sensitive (supply reversal protected) and will not function if wired incorrectly.

Standard Sounder

Connect the positive and negative loop cables to the L2 and L1 terminals respectively, observing polarity. The wiring terminals accept solid or stranded cables up to 2.5mm². Functional earth or screen cables may be terminated to the EARTH connection. See Fig. 2.

Sounder with Isolator

Connect the positive XP95/Discovery loop cables to the L2 terminals, the negative loop in to L1 IN and negative loop out to L1 OUT. (See Fig. 3.) When using the sounder as a stand-alone unit, a cap is available (red cap part no 45681-293 or white cap part no 45681-292) and is secured with a 1.5mm, AF hexagon socket head screw. A hexagonal driver (part no 29600-095) is available from Apollo. The isolator LED can be seen through the moulding as shown in Fig 3.

Address Setting

The address of the sounder is set using seven segments of the eight-segment DIL switch. The eighth segment is used to adjust the volume output. Segments 1-7 of the switch are set to "0" (ON) or "1", using a small screwdriver or similar tool. A complete list of address settings is shown overleaf. If a detector is to be fitted, set the address as described on page 3.

