



Operating voltage 17—28V DC
 Sounder output
 High tone setting volume nominally 75dB(A) to 91dB(A)
 (Complies to EN54:3)
 Low tone setting volume* nominally 55dB(A) to 75dB(A)

Sound pressure level information published in document PDS201-9002 and isolator operation information published in document PDS201-9001, both available on request.

Current consumption at 24V DC	Sounder Beacon Bases	Sounder Bases	Beacon Bases
quiescent	<300µA	200µA	<300µA
switch-on surge	1.2mA for 1 sec	1.2mA for 1 sec	1.2mA for 1 sec
sounder/beacon operating	8mA	5mA	3.1mA

*Low tone setting does not comply to EN54-3 and should not be used for fire alarm applications

Commissioning

It is important that the base variants be fully tested after installation. An XP95 Test Set, part no 55000-870, item no 204-0016 may be used to carry out functional testing of individual units. The test set can also perform data integrity tests of an entire system.

Fault Finding

Problem	Possible Cause
No response or missing	Incorrect address setting Incorrect loop wiring (polarity reversed) Too many bases between isolators Sounder failed (if sounder base product) Beacon failed (if beacon base product)
Analogue value 1	Sounder and beacon failed (if sounder beacon base product)
Analogue value 2	Incorrect group address or address setting
Analogue value 3	Control panel has incorrect cause and effect programming
Analogue value 4	Incorrect group address setting
Failure to operate	

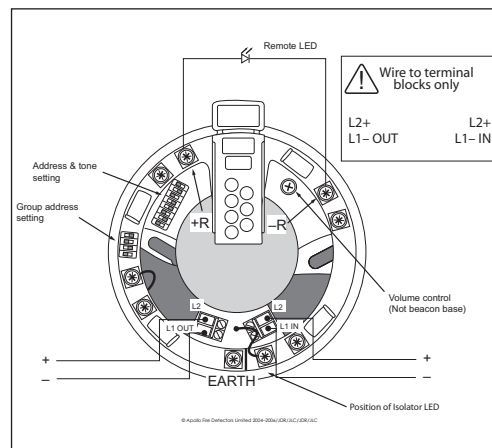
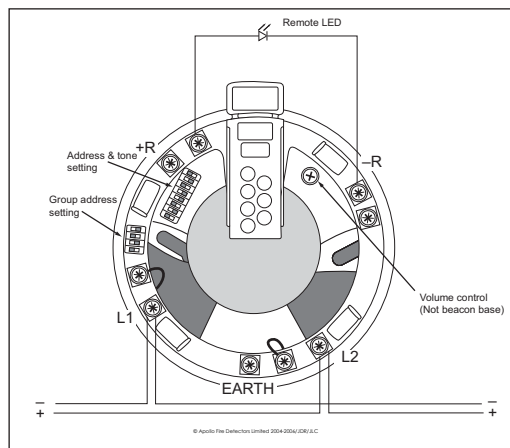


Fig. 2 Sounder Beacon Base wiring

Fig. 3 Sounder Beacon Base with isolator wiring

Loop-powered Sounder Beacon Base Installation Guide

General

This guide describes the installation of the following base variants

Part number	Product Description
45681-330AMP	Loop-powered Sounder Beacon Base with isolator
45681-333AMP	Loop-powered Beacon Base with isolator
45681-292	White Cap only (Lockable)
45681-293	Red Cap only (Lockable)

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

The Loop-powered Sounder Beacon Base combines a sounder with a beacon and a detector base in one unit. The beacon is activated whenever the sounder is active and cannot be controlled separately.

All loop-powered base variants with short circuit isolator have a yellow LED which illuminates through the moulding if a short circuit is detected on the loop wiring (see Fig 3).

Note: All loop-powered base variants are not suitable for outdoor use.

Mounting Instructions

All base variants 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 in the detector with a 1.5mm hex driver.

Wiring Details

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

All loop-powered base variants without isolator

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.

All loop-powered base variants with isolator

Terminate all loop cables in the two way terminal blocks. Connect the incoming loop cables to L1 IN (-) and L2 (+) and the outgoing cables to L1 OUT (-) and L2 (+). Functional earth or screen may be connected to the EARTH connection. The isolator LED can be seen through the moulding as shown in Fig 3.

DO NOT CONNECT LOOP CABLES TO THE OUTER TERMINALS OF ISOLATED MODELS.

When using 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 is available from Ampac.

Ampac
 7 Ledger Road, Balcatta, Western Australia 6021
 Telephone: +618 9201 6100 Fax: +618 9201 6101
 Email: Info@Ampac.net Website: www.Ampac.net

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

