



Series 65 Mounting Base	▲ Part no
Mounting base	45681-200
Mounting base with diode base	45681-201

SERIES 65 MOUNTING BASE

All detectors in the Series 65 range fit into Series 60 standard mounting bases. The bases are of 100mm diameter and have five terminals marked according to their function: Line 1 in, line 1 out, line 2 in and out, remote indicator negative, earth. Detectors are polarity insensitive, so that identification of positive and negative lines is only required if a remote LED is fitted. An earth connection is not required for either safety or correct operation of detectors. The earth terminal is provided

for tidy termination of earthed conductors or cable screens and to maintain earth continuity where necessary. Bases have a wide interior diameter for ease of access to cables and terminals and there are two slots for fixing screws at a spacing of 51 to 69mm. Detectors fit into bases one way only and require clockwise rotation without push force to be plugged in. They can be locked into the base by a grub screw using a 1.5mm hexagonal driver, part no 29600-095.

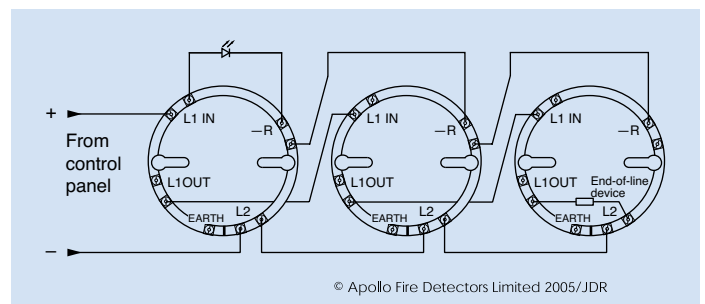


Fig.4 Schematic wiring diagram of Series 65 monitored detector circuit with a common remote indicator.

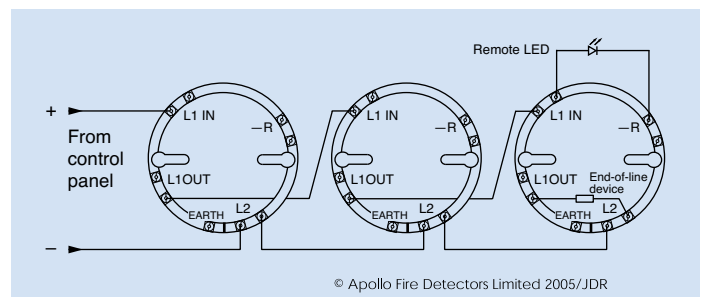


Fig.5 Schematic wiring diagram of Series 65 monitored detector circuit



The **Standard Series 65 Relay Base, 45681-245**, provides one set of volt-free, changeover (form C) contacts that change state when the detector signals an alarm.

The **12 Volt Relay Base, 45681-508**, is a low-profile base for use with Series 65 products. It incorporates one volt-free changeover contact. It is designed to be used for both latching and non-latching applications – such as security control panels. The base is operated by the detector and must therefore be fitted with a Series 65 smoke or heat detector to function. The base is designed to operate over a voltage range of 9V to 15V dc. The negative line is connected to the L1 IN and L1 OUT on the moulding terminals. The positive line is connected to IN+ and OUT+ on the terminal block.



Auxiliary Relay Base, 45681-246, provides two sets of volt-free changeover contacts to facilitate the switching of a remote LED or other auxiliary device.

EOL (end-of-line) Relay Bases are intended for use with 4-wire circuits and feature two sets of changeover contacts and a power supervision relay.

Part numbers: **45681-247**, for circuits having a supply voltage between 9 and 18 volts DC and **45681-248** for circuits having a supply voltage between 16 and 33 volts DC.

Note: Do not connect any external wire to the –R terminal as this may prevent the relay base from functioning correctly.

Series 65 Relay Bases	▲ Part nos
Standard Relay Base	45681-245
Auxiliary Relay Base	45681-246
EOL (end of line) Relay Base 9-18V DC	45681-247
EOL (end of line) Relay Base 16-33V DC	45681-248
12V Relay Base	45681-508

SERIES 65 RELAY BASES

Series 65 Relay Bases are primarily intended for use with control units using 4-wire detector supply and alarm initiating circuits. Where local codes allow, they may also be used in 2 and 4-wire circuits to provide volt-free control

signals to an auxiliary system such as an automatic door closer. They are not suitable for use in systems where it is specified or required that operation of the auxiliary system shall be fail-safe and must not be used with any other type of detector.

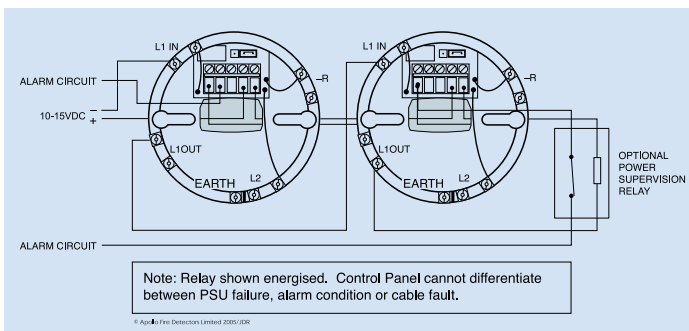


Fig.6 Wiring diagram of 12V Relay Base



Series 65 Sav-Wire Base

▲ Part no

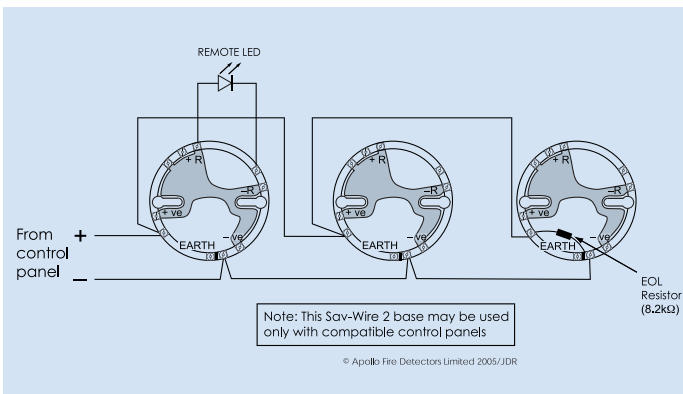
45681-206

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SERIES 65 SAV-WIRE BASE

The Series 65 Sav-Wire Base, 45681-206, is designed to allow Series 65 detectors to be used in 'Sav-Wire' detection and alarm systems and can only be used in conjunction with a Sav-Wire

compatible control panel. The base incorporates a circuit which detects the removal of a detector head. If a detector is removed from the base, the control panel will give a fault signal.



Note: This Sav-Wire 2 base may be used only with compatible control panels

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Fig.7

Wiring diagram of Sav-Wire Base



Series 65 Sounder Base	▲ Part no
Sounder Base	45681-512
Sounder Base with Diode	45681-513

SERIES 65 SOUNDER BASE

The Series 65 Sounder Base is a high-efficiency conventional alarm sounder incorporating a base for the Apollo Series 65 and Series 60 range of detectors. The product offers 32 tones which are shown in the table on page 16.

The sounder base can be secured to a conduit box, a sounder ceiling plate (part number: 45681-311) or surface mounted. Sounder Bases should be located to ensure correct operation of the detector in accordance with the detector manufacturer's recommendations and local regulations or codes of practice.

Note: The sounder is classified as a Type A device according to EN54-3, ie, is suitable for indoor use only.

The sounder base is designed so that separate detector and sounder circuits can be connected. The sounder circuit is connected using the PCB mounted 4-way terminal block. The detector circuit is connected using the terminals marked L1IN, L1OUT and L2 around the rim of the base in the same way as a standard detector base. Two separate earth terminals are provided to allow the screen termination of earth conductors to maintain continuity between cables that contain an earth conductor. As this product is designed for use on conventional systems with separate detector and sounder circuits, the earths should not be connected together.

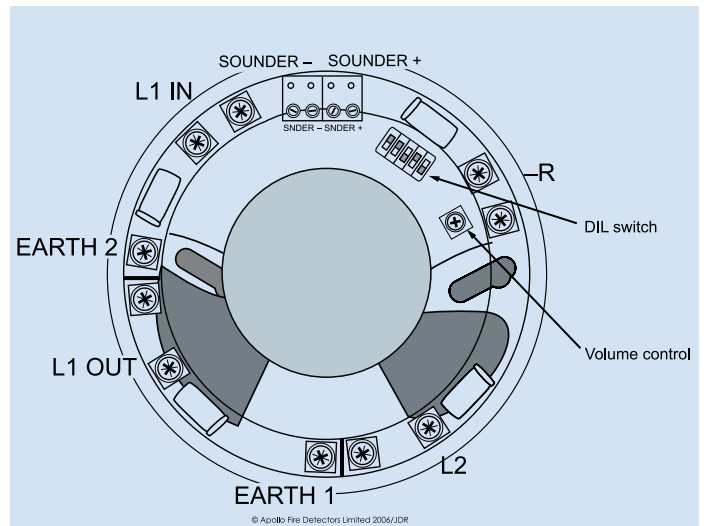


Fig.8 Wiring diagram of Series 65 Sounder Base