

# SERIES 65 12 VOLT RELAY BASE

## FUNCTION

The 12 Volt Relay Base is a low-profile base for use on Series 65 products. It incorporates on volt-free changeover contact.

## FEATURES

The Series 65 12 Volt Relay Base base is designed to be used for both latching and non latching applications – such as security control panels.

## ELECTRICAL CONSIDERATIONS

The 12V Relay 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.

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

## MECHANICAL CONSTRUCTION

The base is a white self-extinguishing polycarbonate moulding with zero-force nickel-plated steel terminals for attaching the detector.

The moulding has an aperture to accept the locking grub screw built into the detector case.



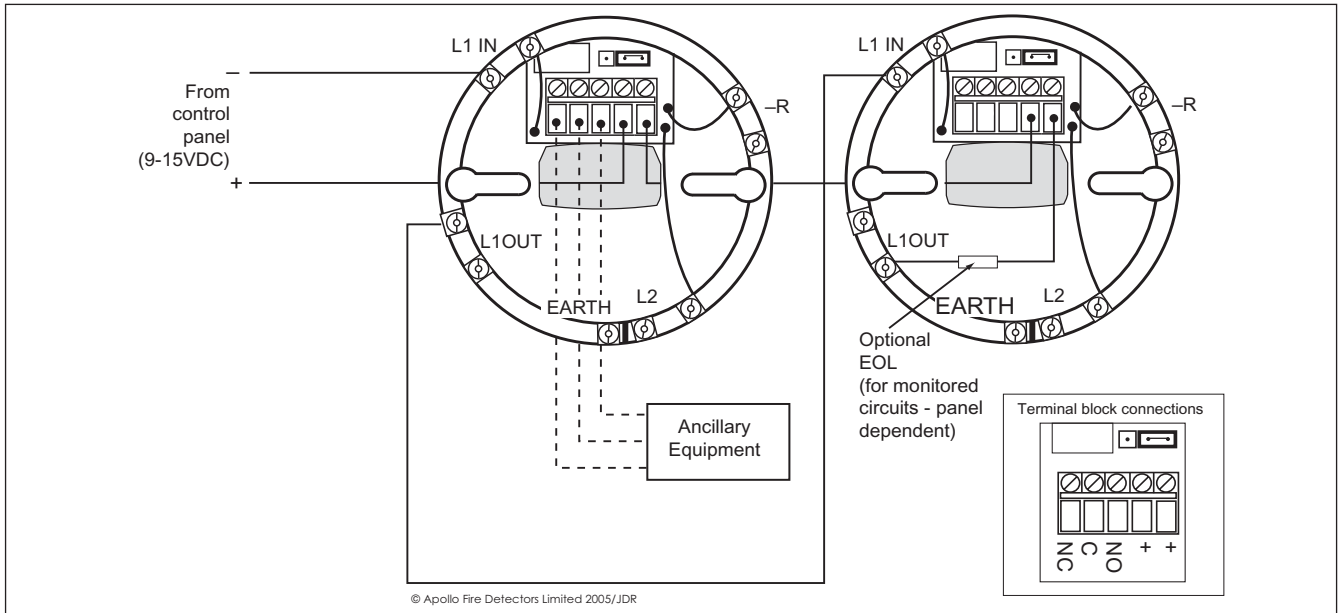
Part no: 45681-508

All electronic components, including the relay, are mounted on a PCB which is retained by two screws in the moulding.

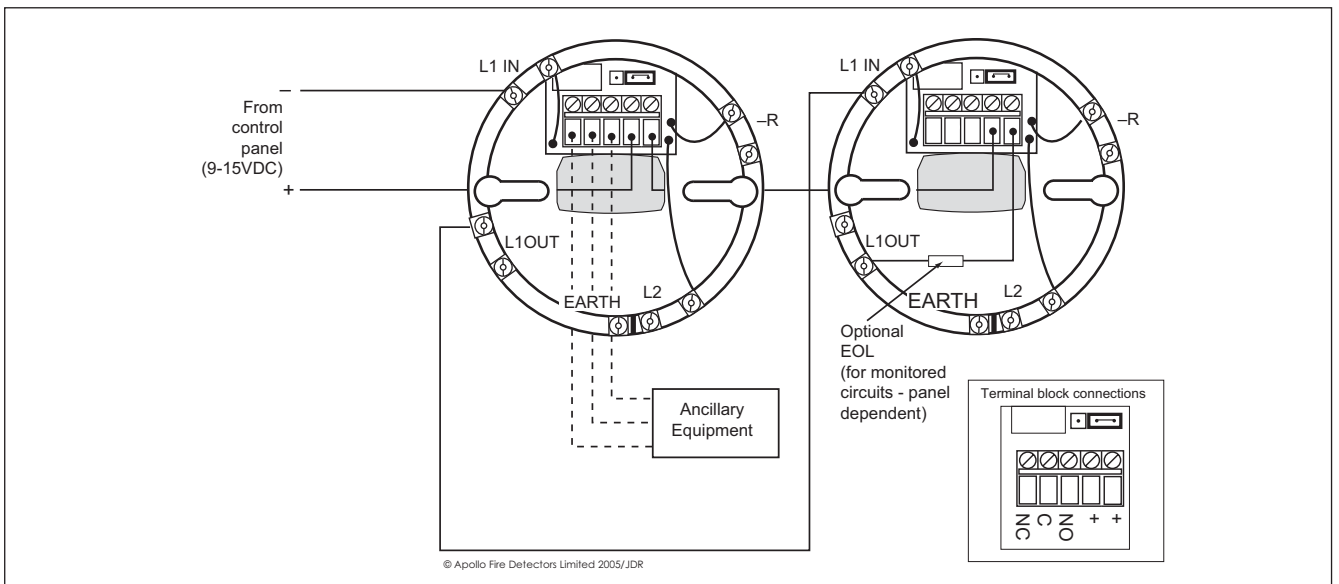
## Dimensions and weight of Series 65 12V Relay base:

100mm diameter x 25mm high      100g

# Wiring Diagrams



**Fig.1 Typical Two Wire System Wiring Diagram**



**Fig.2 Typical Monitored Four Wire Security System Wiring Diagram**

## Technical Data

|   |  |
|---|--|
| Supply Voltage                            | 9 – 15 V DC                              |
| Average Quiescent Current @ 12V           | <10µA                                    |
| Relay Base Alarm Current (Relay Operated) | <20mA @ 12V                              |
| Relay contact ratings                     |  |
| Max. contact current                      | 1A (resistive)                           |
| Max. contact voltage                      | <50V AC & <75V DC                        |
| Available modes                           | Non-Latching or Latching                 |
| Operating Temperature                     | -20°C to +70°C (Non-Condensing or Icing) |

