

# 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.



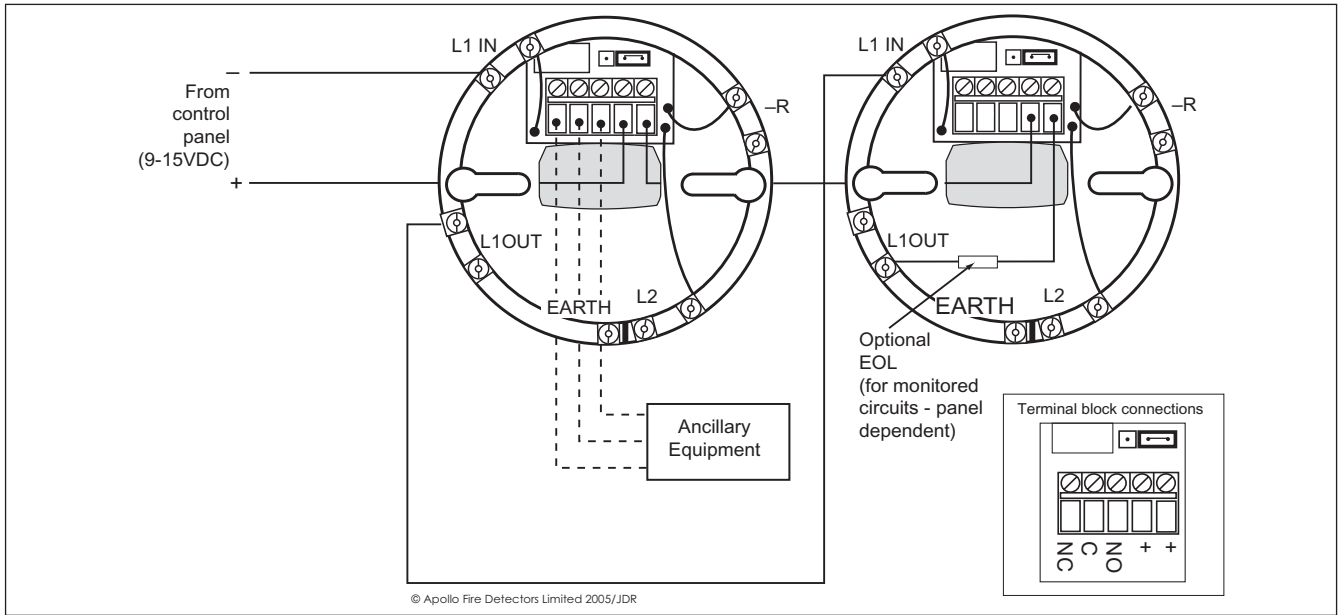
Part no: 45681-508

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

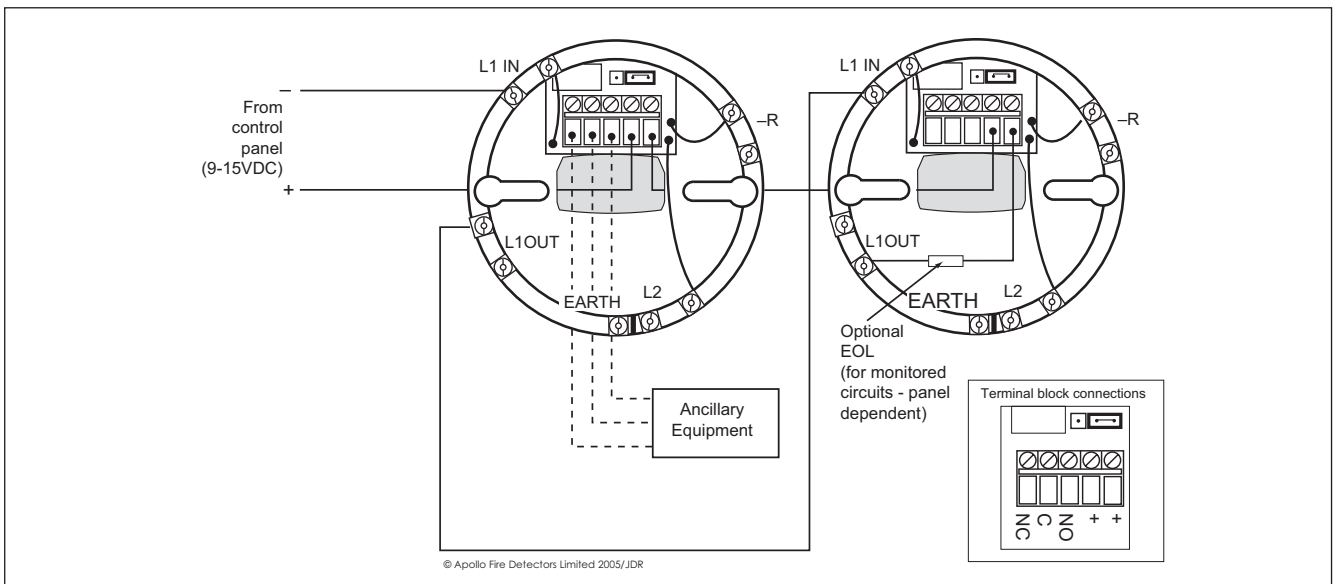
## Dimensions and weight of Series 65 12V Relay base:

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)

