

Fyre Auto-Reset Relay Base

Part Number: 80-067

General

The Fyre Auto-Reset Relay Base, part no 80-067, allows conventional latching smoke detectors to be used on systems requiring auto-resetting detectors such as security systems.

The base is designed to operate over a voltage range of 10V to 15V DC.

Latching/Non-Latching

The relay base is set to latching or non-latching by means of a jumper link adjacent to the wiring terminals. (See Fig 1).

In 'Position A' the base is set to non-latching, in 'Position B', latching. If the jumper is not fitted, the base will default to non-latching.

Operating Principle

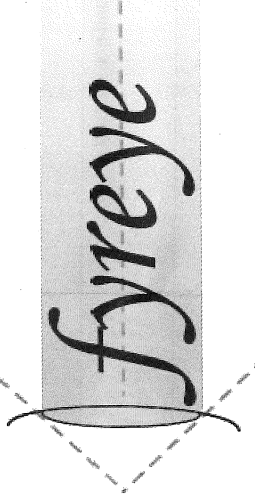
The relay base receives an alarm signal from the associated detector which latches. Approximately 15 seconds after this signal, the relay base resets the detector by momentarily removing the power.

If sufficient smoke/heat is present, the associated detector will re-enter the alarm state and the sequence repeats. When no smoke/heat is detected, the base and detector return to normal.

Do not connect external wiring to the -R terminal as this may prevent the relay base from functioning correctly.

Mounting the Auto-Reset Relay Base (part no 80-067)

1. Secure the base to an even surface.
2. Connect the wiring following the diagram overleaf.
3. Ensure earth continuity is maintained using the earth terminal on the base if required.
4. Fit the appropriate detector.



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Wiring Details

All wiring terminals will accept solid or stranded cables up to 2.5mm²

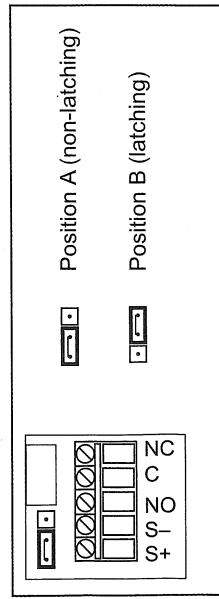


Fig 1 Latching and non-latching jumper positions

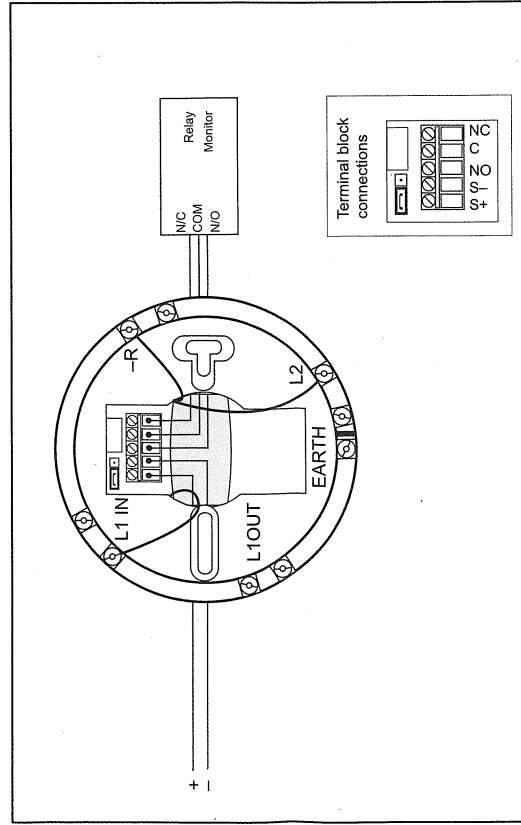


Fig 2 Auto-Reset Relay Base wiring

Commissioning

It is important that the system be fully tested after installation.

Technical Data

Supply voltage	10–15 V DC
Average quiescent current at 12V	<10µA
Relay base alarm current at 12V (relay operated)	20mA
Environment	Indoor,
Operating humidity	0–95%RH non-condensing, non-icing
Operating temperature	–20°C to +90°C

ZETA Alarm Systems, Detection House, 72-78 Morfa Road,
 Hafod, Swansea, SA1 2EN, UK
 Tel: (01792) 455175 Fax: (01792) 455176

Wiring Details

All wiring terminals will accept solid or stranded cables up to 2.5mm²

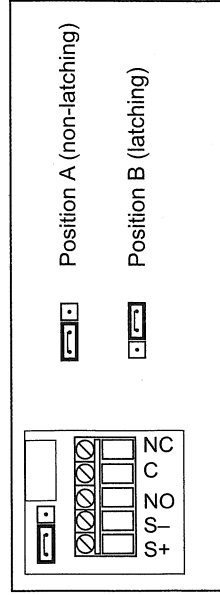


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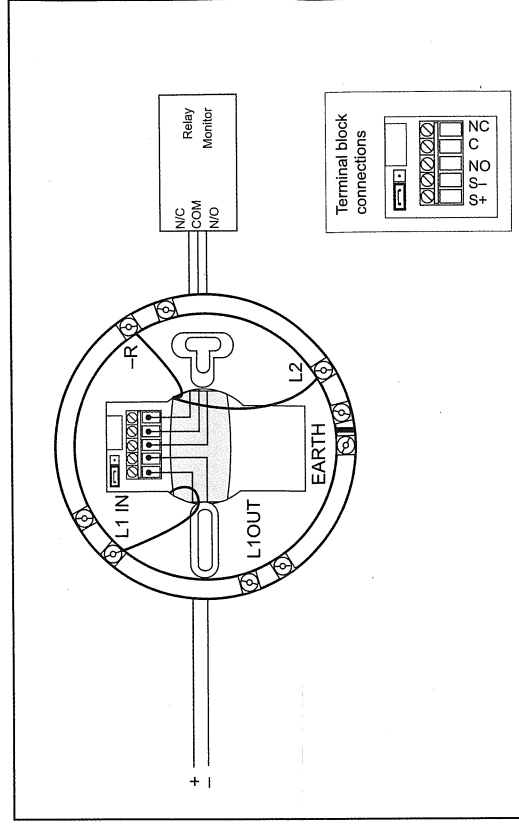


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