

Patress with Relay Model EI 128R

For use only with EI 140, 141, 144, 145, 146, 161, 161R, 164, 166, 166R Smoke/Heat Alarms

Relay Output 250VAC/5amps

The Smoke/Heat Alarm is mounted on the EI 128R and when a fire is detected the relay contacts change over. The electrically isolated contacts can be used for signalling, turning on lights etc.

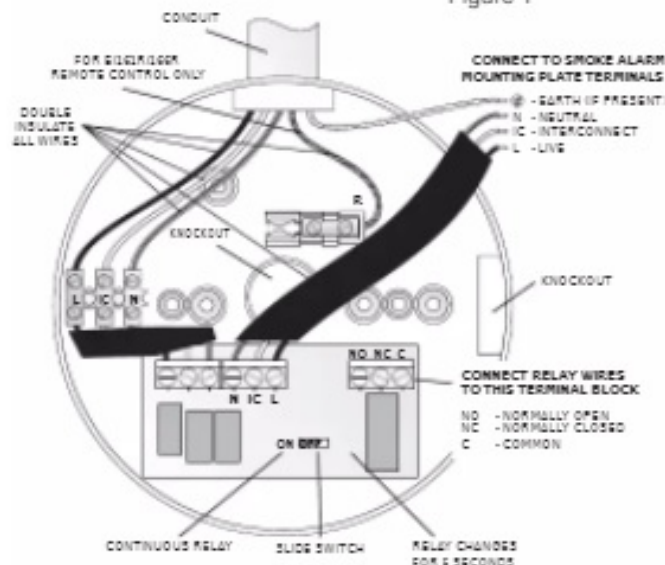
WARNING: This patress must only be used with one of the above smoke alarms as per these instructions - otherwise the unit will not comply with the mandatory safety regulations.

With the yellow slide switch "on" (as supplied) the relay changes over when the fire is detected and only resets when the smoke/heat alarm resets. With the slide switch "off" the relay changes over for 2 to 12 seconds when fire is detected and then resets - this is useful with warden call panels. If momentary operation is required, push the slide switch gently and carefully with a screwdriver to turn it off.

Installation

Mains powered Smoke/Heat Alarms should be installed by a qualified electrician in accordance with the Building Regulations for Electrical Installations published by the Institution of Electrical Engineers (UK). Failure to install the unit correctly may expose the user to shock or fire hazards.

Figure 1



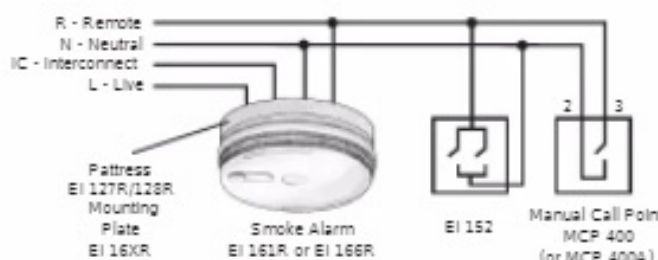
Warning: First disconnect the mains from the circuit to be used.

1. Choose a mounting position following the siting instructions in the Smoke/Heat Alarm leaflet. Where the incoming wiring is on the surface of the ceiling, the appropriately sized ducting/conduit must be chosen to mate with the unit. Use a sharp knife to remove the material from the selected knockout, making sure that there is no gap when mated with ducting / conduit. There are three knockouts - two on the sidewall and one on the rear.

2. Screw the patress EI 128R to the ceiling after first removing the required knockout and bringing the house wires through it (see figure 1). If the central knockout is being used, seal around the wires with silicone or similar to prevent air draughts affecting the smoke entering the alarm.

3. Connect the house wires (L - Live, N - Neutral and IC - Interconnect, if it is being used) to the terminal block on the patress. If an EI 161R or EI 166R (with remote TEST/HUSH) is being installed, attach the "R" wire from the EI 152 (see the EI 152 instruction) to the terminal marked "R" in the patress (see figure 1). If the EI 161R or EI 166R is being used with a manual call point MCP400 or MCP400A then connect the R terminal to the call point (see figure 2). Otherwise do not connect anything to the "R" terminal.

Figure 2



4. Connect the three wires ("L", "N" and "IC") from the patress to the connectors on the Smoke/Heat Alarms mounting plate. This "IC" wire must be connected even if it is a single alarm installation. Connect the earth wire (if present) from the house wiring directly to the terminal on the mounting plate. Replace the cover over the terminal wires.

Connect the wires to the required relay contacts for controlling the auxiliary device (the contacts are isolated and are rated at 250VAC, 5 amps resistive). If momentary relay operation is required, carefully and gently slide the yellow switch to the off position with a small screwdriver (see figure 1).

5. Screw the mounting plate to the patress pillars using the two screws supplied.

6. Slide the alarm on to the mounting plate.

7. Connect the mains power - the green LED light on the alarm should be on. When the test button is pressed the horn should sound and the relay will switch within 10 seconds. (Note - with ionisation alarms the relay normally switches 4 seconds after the horn sounds. With optical alarms the relay normally switches within 2 seconds of the horn sounding).

Note 1: A maximum of 12 Smoke/Heat Alarm of the types specified may be interconnected to one EI 128R unit. When one alarm senses fire all interconnected units will alarm and the relay will switch.

Note 2: An alarm with battery back-up will continue to operate during a mains failure but will not be able to switch the relay. (The relay requires the 230 VAC to operate).

Note 3: Devices connected to the relay contacts must not give a fire warning until the contacts have switched for at least 200mSec. (The contacts may switch momentarily when subjected to electromagnetic interference).

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