Ei Professional ®

Pattress Models Ei127 & Ei127R
For use only with Ei140, 141, 144, 145, 146, 161, 161R, 164, 164R, 166, 166R Easi-Fit Smoke/Heat Alarms

The Smoke/Heat Alarm is mounted on the Ei127 & Ei127R.

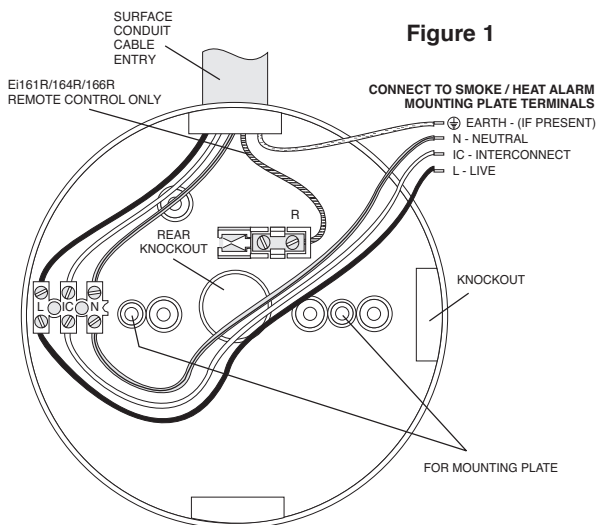The Ei127 pattress facilitates installation of bulky wiring and conduits.

The Ei127R has an additional socket for connecting to the R spade terminal on the Ei161R, Ei164R or Ei166R. This can be used for remote test & hush or manual call points.

WARNING: This pattress 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.

Installation

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 material from the selected knockout, making sure that there is no gap when mated with ducting / conduit. There are four knockouts – three on the sidewall and one on the rear.

Figure 1

SURFACE CONDUIT CABLE ENTRY

Ei161R/164R/166R REMOTE CONTROL ONLY

CONNECT TO SMOKE / HEAT ALARM MOUNTING PLATE TERMINALS
EARTH - (IF PRESENT)
N - NEUTRAL
IC - INTERCONNECT
L - LIVE

REAR KNOCKOUT

R

KNOCKOUT

L IC N

FOR MOUNTING PLATE

2. Screw the pattress to the ceiling after first removing the required knockout and bringing the house wires through it (see figure 1). Use the longer screws and plasterboard anchors from the Smoke Alarm pack for this task. If the central knockout is
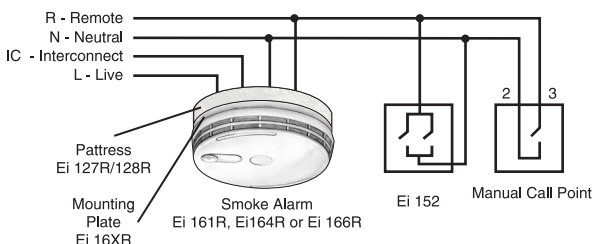
being used, seal around the wires (and the openings at the rear of the pattress) with silicone or similar to prevent air draughts affecting the smoke entering the alarm.

3. Connect the house wires (L - Live, N - Neutral and IC - Interconnect, if it is being used) to the terminal block on the pattress. If an Ei161R, Ei164R or Ei166R (with remote TEST/HUSH) is being installed, attach the "R" wire from the Ei152 (see the Ei152 instructions) to the terminal marked "R" in the pattress (see figure 1). If the Ei161R, Ei164R or Ei166R is being used with a manual call point then connect the R terminal to the call point (see figures 1& 2). Otherwise do not connect anything to the "R" terminal.

4. Connect the three wires (L, N and IC) from the pattress connector block to the connectors on the Smoke/Heat Alarms mounting plate. 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.

Note: that the house wiring can be connected directly to the mounting plate if the pattress terminals are not being used for looping.

Figure 2

R - Remote
N - Neutral
IC - Interconnect
L - Live

Pattress
Ei 127R/128R

Mounting
Plate
Ei 16XR

Smoke Alarm
Ei 161R, Ei164R or Ei 166R

2 3

Ei 152   Manual Call Point

5. Screw the mounting plate to the pattress pillars using the two screws supplied with this kit.

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.

If an Ei128R or Ei128RBU pattress with relay is being used, replace the Ei127R with the Ei128R or Ei128RBU and follow the instructions supplied with it.

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