SMK23 Pattress

Surface Mount Pattress For models:
123I, 123/9HI, 123/9HILL, 123/9EI, 223I, 223/9I, 223/9ILL, 223/9HI, 223/9HILL, 323I, 323/9HI, 323/9HILL

Application

- This surface mount pattress is for use with KIDDE Fyrnetics, Hard Wired Smoke, Heat and CO Alarms, where surface cabling is being used, such as in retrofit applications.

Usage

- This is designed for installation by a qualified electrician, in accordance with the current IEE regulations. Failure to install correctly can result in a fatal shock or fire hazard.

- Alarms without battery back-up must be connected direct to the Consumer Unit on a separately fused spur – see current Building Regulations.
  (AC models with battery back-up may be connected off an adjacent lighting circuit).

- Knock-outs on the underside and edge of the pattress provide flexibility of cable entry, for ease of use. A small rib on the edge of the pattress lines up with a mark on the alarms base plate, to ensure correct alignment.

- Site and select alarm type in accordance with manufacturer literature/manual shipped with alarm. Also refer to Building Regulation requirements if applicable, plus BS5839 Pt 6.

- Isolate mains power before commencing work.

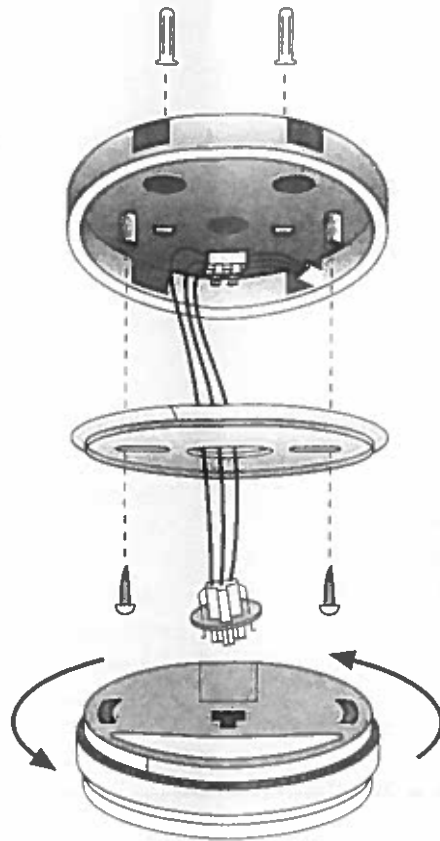- Never remove/refit the cable harness whilst mains power is present.

- Crossing line and neutral connections or line and interconnect connections will fatally damage all interconnected alarms invalidating the guarantee.

- Never Meggar Test an installation, without disconnecting any connected alarms (this can permanently damage the alarm and invalidates the guarantee).

- All interconnected alarms must be powered off the same fuse/circuit breaker.

- Total cable length between alarms must not exceed 250m (273yds) and be 1.5mm in diameter, 3 core and earth (BS6243Y).
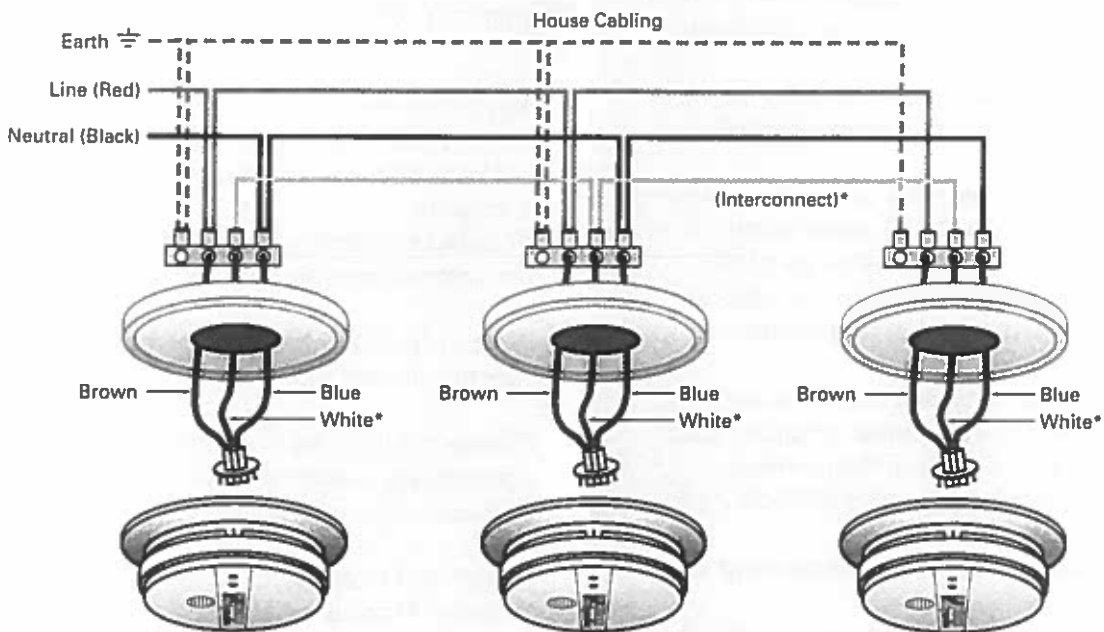
Important Notes

- As in illustration 1 (on reverse), bring mains cabling into pattress terminal block via knock-out selected and fix pattress to ceiling with 2 screws.
  (If using dry lining box, select appropriate holes on pattress and secure with machine screws.)

- Wire in mains cabling to terminal block, looping "earth" in and out.

- Connect flying leads on alarm cable harness to appropriate terminals and ensure polarity is correct.

- Install and test alarm by following guidance in Installer Manual of alarm.

1.

2.

Earth
House Cabling
Line (Red)
Neutral (Black)
(Interconnect)*

Brown — Blue — White*   Brown — Blue White*   Brown — Blue White*

* Interconnect only – if single alarm installation, leave unconnected with sheathing intact.

**These are double insulated products and do not need earthing –
never use earth conductor to interconnect – use 3 core and earth (BS6243Y).**

Connect to Terminal Block in ceiling cavity or via Surface Pattress.

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