

Double Pole Switches & Cooker Control Units

Switches comply with BS3676 or BSEN 60669 as marked. Cooker Units comply with BS4177

Please keep this leaflet for future reference



SAFETY INSTRUCTIONS

- This product must be installed by a competent person in accordance with the current editions of the IEE Wiring Regulations (BS7671) and Buildings Regulations. If in any doubt, consult a qualified electrician.
- To prevent electrocution, do not work on any appliance live. Switch off the mains supply before commencing work.
- All products, apart from the 16A Ceiling Switch, have a built in earth terminal. These switches must always be earthed, the 16A switch, via its mounting box only.
- To prevent fire hazard do not exceed the rated current.
- When mounted using a metal back box the following minimum box depths should be used :
With a front plate, 9mm deep or greater
- 35mm for cable sizes up to 6mm diameter.
- 46 / 47mm for cable sizes of 10mm diameter.
With a front plate less than 9mm deep
- 46/ 47mm irrespective of cable size.

43968PL Ed.3

In all other areas of the EU, as well as new build installations in the UK after 2004 the colour codes used are:-

BROWN	= terminal marked 'L'
BLUE	= terminal marked 'N'
GREEN/YELLOW	= terminal marked '⊕'

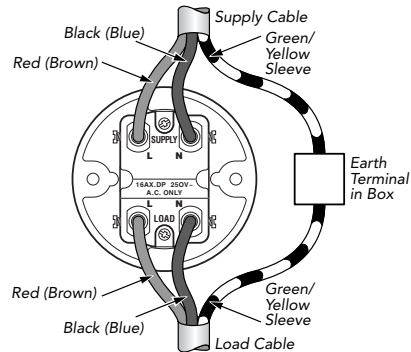
13. A length of green/yellow sleeved wire must be connected to the earth terminal in the mounting box.
14. Before the product is screwed to the wall, if a neon is present, check that the neon leads are pushed into their locations on the rear of the product. The locations are shown in the illustrations of Figures 2, 3, 4 or 5. Neon leads are not colour coded, as it does not matter which way round they are fitted.
15. Some products have more than one earth terminal, either or all of these terminals can be used.
16. Carefully push the wired unit back into the back box, ensuring the cables are not trapped or pinched.

- Back boxes for Cooker Units and 45A Switches with less than 9mm deep front plates and where it is intended to use 10mm cable, should be recessed a further 6 to 10mm into the wall.
- Product and packaging should be disposed of via standard refuse facilities at the end of their life.

INSTALLATION GUIDE

1. Partially unscrew all the terminal screws ready to receive the cables.
2. Some products have the fixing screws clipped to the rear of the product. These should be unclipped.
3. Wall mounted products having clip-on front plates can have the plate removed by carefully sliding a screwdriver between the ramp on the main body of the product and the notch in the lower edge of the plate. The plate can then be gently levered away from the wall.
4. Ceiling switches are operated by a pull cord and should not be wall mounted. If required to be surface mounted, the 16 amp Switch requires a mounting block, MK part number 2051 WHI. The 50 amp Switch requires a square cornered mounting box.
5. 32 amp Switches having front plates less than 9mm deep, require the top and bottom lugs of the metal back box to be bent back to clear the base of the product.

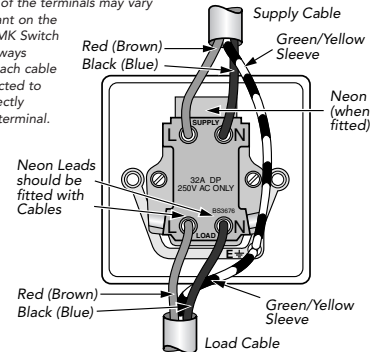
Fig. 1 16 Amp Ceiling Switch



6. If replacing an existing switch or cooker unit, always take careful note of the cables and any terminal markings there may be before removing the old unit. This should make it far easier to wire the new product.
 7. Before commencing with the installation, ensure the back box is firmly fixed to the wall/ceiling.
 8. Strip back the outer sheath on both load and supply cables, then trim wires to approximate length to allow the cable ends to reach the terminals.
- SUPPLY cables are those from the distribution board, LOAD cables are those going to the appliance/cooker.**
9. Carefully strip back the inner insulation of both cables to expose 20mm of wire.
 10. Slide a length of green/yellow sleeving onto the bare earth wires.
 11. Connect the cables to the correct terminals, as shown in either Figure 1, 2 or 3 as appropriate.
 12. Please note; the colour codes used in the UK prior to April 2004 are as follows:-

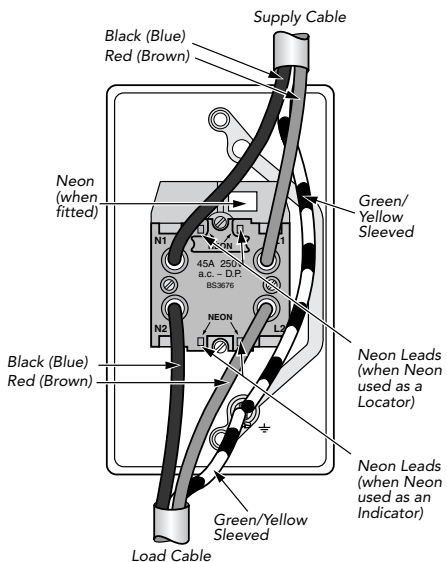
RED	= terminal marked 'L'
BLACK	= terminal marked 'N'
GREEN/ YELLOW	= terminal marked '⊕'

NOTE - Fig. 2 This is a typical terminal layout for a 20 or 32 amp switch. The position of the terminals may vary dependant on the type of MK Switch used. Always ensure each cable is connected to the correctly marked terminal.



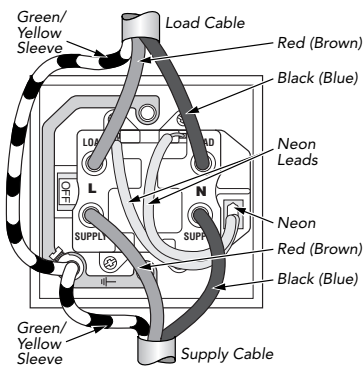
17. Using the fixing screws provided, mount the switch onto the back box. Do not over tighten, so as to prevent damage or distortion to the front plate. Adjust so the front plate is square on the wall/ceiling.
18. If the product has a decorative clip-on front plate, for 45 amp switches, hook the plate on the clips at the top of the product and apply finger pressure across the bottom until the plate is heard to click into place. For all others, hook the plate down the left hand side of the product and apply finger pressure down the right hand side.

Fig. 3 45 Amp Switch



20

Fig. 4 50 Amp Ceiling Switch



8

Note: The neon on the 45 amp Switch can be wired as a locator or an indicator. See positions for neon leads shown in the diagram above.

Locator - means the neon is illuminated all the time, once the mains supply is switched on.

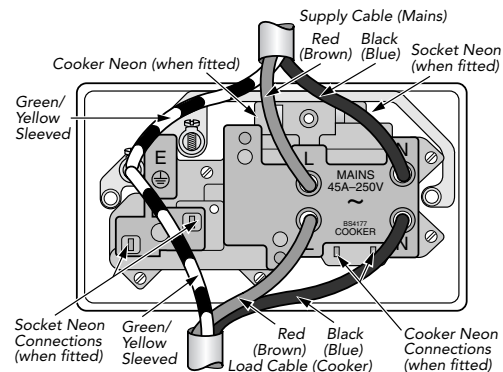
Indicator - means the neon is only illuminated when the switch is 'on'.

Cleaning Front Plates

In order to protect the quality surface finish of the front plate, periodically clean with a dry lint free soft cloth. On no account should abrasive or domestic cleaners be used.

11

Fig. 5 Cooker Supply Unit



9



MK Electric
 Novar ED&S Ltd
 The Arnold Centre, Paycocke Road, Basildon,
 Essex SS14 3EA. U.K.
 Tel: +44 (0) 1268 563000
 Fax: 01268 563405 (UK Sales)
 Fax: +44 (0) 1268 563360 (International)
 email: technical@novar.com
 web site: www.mkelectric.co.uk

Technical queries should be made to:
 MK Electric, Technical Sales and Services Department
 The Arnold Centre, Paycocke Road, Basildon, Essex SS14 3EA
 Tel: +44 (0)1268 563720 Fax: +44 (0)1268 563064

All marks in this document identified with a R or TM symbol adjacent to the mark are Trade Marks of Novar ED&S Limited.