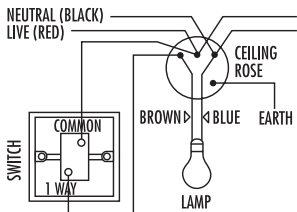


# FITTING INSTRUCTIONS FOR LIGHTING CIRCUITS

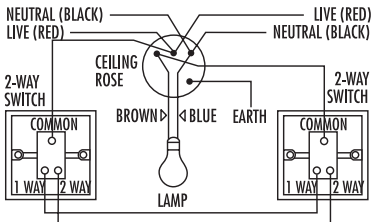
## LIGHT SWITCH 1-WAY

### LIGHTING CIRCUIT SHOWING 1-WAY SWITCHING



## LIGHT SWITCH 2-WAY

### TYPICAL LIGHTING CIRCUIT SHOWING 2-WAY SWITCHING



A 1-way switch allows light control from one location only, 2-way switches control lighting from 2 separate locations. A 2-way switch may also be used as a 1-way switch by wiring in accordance with instructions.

1. For extra safety, remove the fuse or switch off the circuit breaker of the circuit concerned at the mains fuse box.
2. Only cable of correct current rating and type can be used: Domestic lighting should use 1.00mm<sup>2</sup> minimum T&E cable. (Twin and Earth Cable to BS6004), although sometimes 3 core and earth is used for 2-way light switches.
3. Remove only sufficient insulation to ensure direct contact in the terminals.
4. Position of terminals may differ between fittings, therefore carefully check the location of the terminals.
5. Each wire must be connected to the correct terminal as shown in the diagram.

+ L LIVE = (Brown or Red)

- N NEUTRAL = (Black or Blue)

≡ E EARTH = (Green/Yellow)

**WARNING:** ELECTRICITY CAN BE DANGEROUS  
IF IN ANY DOUBT CONSULT A QUALIFIED ELECTRICIAN

## FOR SOCKETS 13A SPURS, 20A, 30A & 45A SWITCHES

+ L LIVE = (Brown or Red) – N NEUTRAL = (Black or Blue)  $\equiv$  E EARTH = (Green/Yellow)

1. For extra safety, remove the fuse or switch off the relevant circuit breaker at the mains fuse box.
2. Only cable of correct current rating and type can be used: Domestic 13Amp & 20Amp power circuits normally use 2.5mm<sup>2</sup>, 30Amp use 4 or 6mm<sup>2</sup> and 45Amp use 6mm<sup>2</sup> T&E cable.
3. Position of terminals may differ between fittings therefore carefully check location of terminals.
4. Remove only sufficient insulation to ensure direct contact in the terminals.
- 5A. FOR SOCKET OUTLETS: Each wire must be connected to the correct terminal: The EARTH wires to the terminal marked E, EARTH or  $\equiv$ . The RED to the terminal marked L. The BLACK to the terminal marked N.
- 5B. FOR FUSED SPURS & 20AMP SWITCHES: Each wire must be connected to the correct terminal. The T&E mains cable should be connected to the terminals marked "IN" or "FEED" or L1 & N1, as follows:- Red to the terminal marked L or L1. Black to the terminal marked N or N1. The bare Earth wires must be covered with Green & Yellow PVC sleeving and connected to the terminal marked E, Earth or  $\equiv$ . Connection from this device to the appliance should utilise flexible cable (To BS6500), of heat resisting spec. where appropriate. Ensure cable size suits power rating of appliance. The flexible cable to the appliance should be connected to this device using the terminal marked "OUT" or "LOAD" or L2 or N2, as follows: Brown to the load terminal marked L or L2. Blue to the load terminal marked N or N2. Green & Yellow to the terminal marked E, Earth or  $\equiv$ .
- 5C. 30 & 45AMP SWITCHES: Each wire must be connected to the correct terminal. The T&E 30/45amp cable should be connected to the terminals marked "IN" or "FEED" or L1 & N1, as follows:- Red to the terminal marked L or L1. Black to the terminal marked N or N1. The bare Earth wires must be covered with Green & Yellow PVC sleeving and connected to the terminal marked E, Earth or  $\equiv$ . Ensure the cable used for the connection of this device is of a size that suits the power rating of appliance. The cable to the appliance should be connected to this device using the terminal marked "OUT" or "LOAD" or L2 or N2, as follows: RED to the load terminal marked L or L2. BLACK to the load terminal marked N or N2. The bare Earth wire must be covered with Green & Yellow PVC sleeving and connected to the terminal marked E, Earth or  $\equiv$ .
- 6 Ensure that all terminal screws are firmly tightened.

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