



# Wiring Accessories

## Plate Switch

## Safety Warning

For your safety, this product must be installed in accordance with local Building Regulations. **If in any doubt, or where required by the law, consult a competent person who is registered with an electrical self-certification scheme.** Further information is available online or from your Local Authority.

Please read carefully and use in accordance with these safety wiring instructions. Before commencing any electrical work ensure the supply is switched off at the mains. Either by switching off the consumer unit or by removing the appropriate fuse or turning off MCB (trip). Wiring should be in accordance with the latest edition of the IET regulations [BS 7671].

To prevent fire hazard always use cable of the correct rating & type for the application.

**Warning do not exceed the load rating of this device as stated on the rear of the product.**

**Wire Identification – Twin & Earth Cable**

Note – As from 1st April 2004 new colour codes for hard wire installations were introduced.

**EARTH** = Green/Yellow Sleaving

**NEUTRAL** = Black (pre Apr 04) / Blue (after Apr 04)

**LIVE** = Red (pre Apr 04) / Brown (after Apr 04)



## Wiring Instructions

### 1. Power Off

Before commencing work always isolate the power at the consumer unit/fuse box.

\*Note – If your installation uses a four-lug metal mounting box, remove the top and bottom lugs or bend fully back.

### 2a. Replacing an existing accessory

1. Unscrew the accessory from the wall/mounting box.

2. Note the cable connections:

The illustration shows 1 wire of each colour connected to each terminal.

There should be an additional connection between the mounting box earth terminal and the accessory earth terminal.

3. Unscrew each terminal to release the wire.

### 2b. New installation

1. Install mounting box (metal or moulded) for either flush or surface mounting, ensuring appropriate size of product (Mounting box to be purchased separately).

2. Select the most suitable entry point of the mounting box (knock-out) and route the cables through. If a metal box is used, a cable grommet should be fitted to the entry point.

3. Cables should be prepared so a sufficient conductor length reaches the terminals. Strip the ends of the individual conductors leaving an adequate length bare to enter terminals.

### 3. Connection (See diagram)

1. Line up the new accessory to mounting box and take note of where each terminal is located.

2. Connect each wire to the matching terminal.

An earth connection should always be made between the mounting box earth terminal and the accessory earth terminal, where fitted.

All bare earth wires must be sheathed with green/yellow sleeving. When connecting the new accessory ensure that only the bare end of the wire enters the terminal and no bare wires are visible.

3. Tighten terminal screws securely. (Do not over tighten)

### 4. Complete Installation & Test

1. Carefully position the accessory into the mounting box, ensuring that no wires are trapped between the plate and the wall and secure with screws (do not over tighten) then insert screw covers (optional).

2. Once the installation has been completed correctly, replace the fuse/reset MCB (trip), switch the power back on at the consumer unit and test.

## Switch types

### One Way Switching

One way switching is used in installations that require just one switch to control a light (or circuit) i.e. on or off.

A two-way switch can be used for one way connection, use COM and L1 terminals. For multiple gang switches (2, 3, 5 & 6) repeat.

### Two Way Switching

Two way switching is used where a light is controlled by two switches.

For multiple gang switches (2, 3, 5 & 6) repeat.

### Bell Push

The bell push is a one way switch with a retractive rocker switch.

Before installing, ensure the bell unit is suitable for supply voltage.

### Intermediate Switching

Intermediate switching is used in installations that require three or more switches to control a light, and should be used together with two 2-way switches.

## Care

To maintain the high quality appearance of decorative finish switches and sockets, BG Electrical recommend the use of a soft cloth periodically to clean the front face. When installing a decorative product please ensure that the wall is decorated, finished and free of moisture prior to installation.

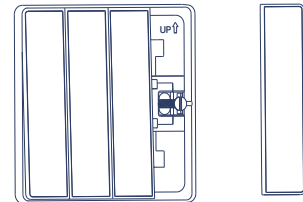
BG Electrical recommends avoiding using, but not restricted to, these substances from becoming in contact with the decorative metal front-plates when cleaning or decorating:

- Adhesive tape, including low tack masking tape
- Solvents
- White spirit
- Multi surface cleaners
- Industrial multipurpose cleaning wipes
- Wet wipes

Using items like those listed above may cause a degrading effect to the front-plates lacquer/plated finish, although the function will remain unaffected.

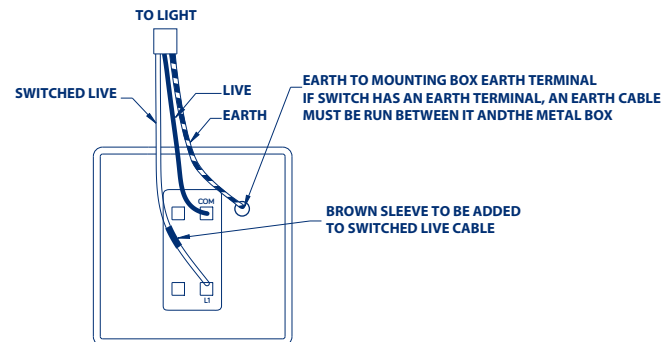
## Rocker Removal/Installation

Before installation it is necessary to remove the rocker covering the plate fixing holes. To remove, apply upward pressure from one end, the rocker will detach from the central support. To affix after installation, place the rocker over the central support and apply pressure, ensure the rocker is securely positioned and movement is not restricted.

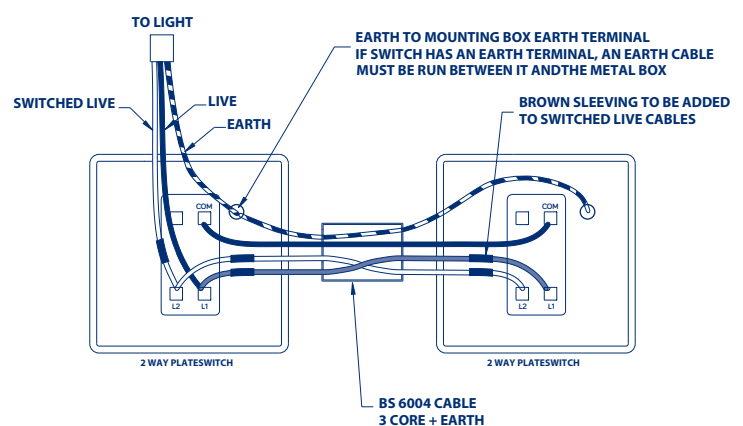


Note – For x14 'Press' retractive product, the switch will close contact when the rocker is removed. When fitting the rocker is recommended to turn on/off to ensure the contacts open.

## One Way Switching

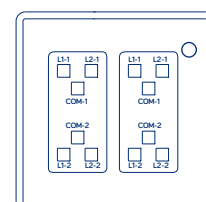


## Two Way Switching



## Switch Connections

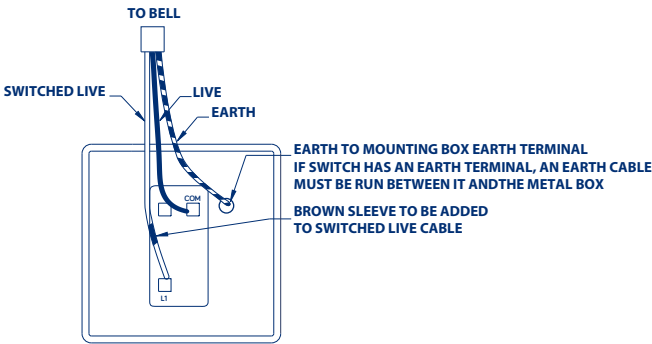
Our multi-gang switches have been designed to include two sets of connections per module



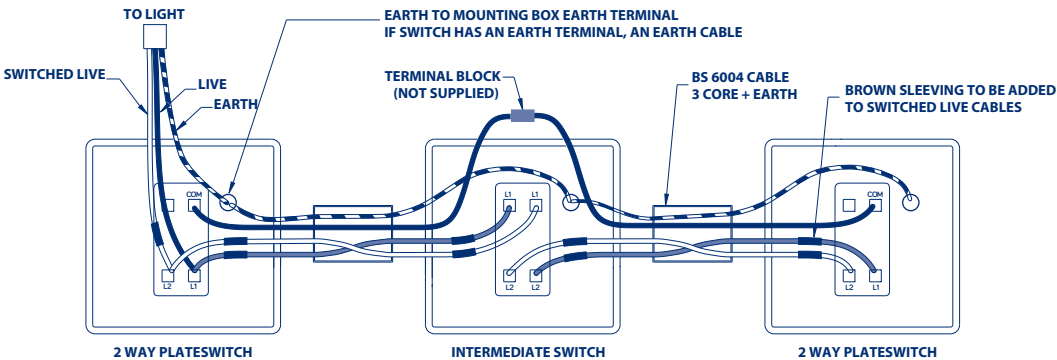
For Switch 1, use L1-1, L1-2 and COM-1

For Switch 2, use L2-1, L2-2 and COM-2

Bell Push



Intermediate Switching



Fan Isolator - 3 Pole Switch

During repair or installation or routine maintenance the power supply to the fan unit must be disconnected. This isolating switch can be installed as shown in the diagrams to enable the remainder of the circuit to remain live.

These instructions should be read in conjunction with the instructions supplied with the fan unit and the latest IET Wiring Regulations.

Please follow the appropriate wiring diagram for your particular installation.

**Important**

The continuity of the protective conductors must be maintained .

The isolator switch shall be so situated as to be inaccessible to a person using a fixed bath or shower.

Technical

Batch Code Explanation

Voltage : 220-250V~  
Frequency : 50/60Hz  
Rating : 20A 16AX  
SBL Rating : 250W  
Rating (Bell Push) : 20A  
Terminal capacity : 4 x 1mm<sup>2</sup> 4 x 1.5mm<sup>2</sup> 2 x 2.5mm<sup>2</sup> 1 x 4mm<sup>2</sup> 1 x 6mm<sup>2</sup>  
Min Box Depth : 1 & 2 gang switches 25mm, 3 & 4 gang switches 35mm

yyWxx Manufacturing date code, year of manufacture (yy) and week of manufacture (Wxx)

Address/Helpline

Environmental Protection

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If you have further technical assistance you can get in touch with our

**Technical Helpline on:**  
**+44 (0)3300 249 279**  
**technical.support@bgelectrical.co.uk**



This symbol is known as the "Crossed-out Wheelie Bin Symbol". When this symbol is marked on a product or battery, it means that it should not be disposed of with your general household waste. Some chemicals contained within electrical/electronic products or batteries can be harmful to health and the environment. Only dispose of electrical/electronic/battery items in separate collection schemes, which cater for the recovery and recycling of materials contained within. Your co-operation is vital to ensure the success of these schemes and for the protection of the environment.