



Wiring Accessories

Plate Switch

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 Slewing

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.

Additional Advice for Decorative Products

Fixing method varies depending on which product range is supplied. Always ensure wall surface is reasonably flat and smooth, with no bumps or projections. Metal frontplates WITH screw fixing holes, fix the unit to the back box using two fixing screws supplied. All Decorative products MUST have an earth connection between the frontplate and back box. Frontplates WITHOUT screw fixing holes. These products comprise main unit with integral gasket, and frontplate as separate item. Fix unit to back box using two fixing screws supplied. Clip frontplate onto main assembly, ensuring screwdriver notch is located bottom right hand corner.

To remove plate, place medium size flat bladed screwdriver in notch and lever off against gasket.

Care

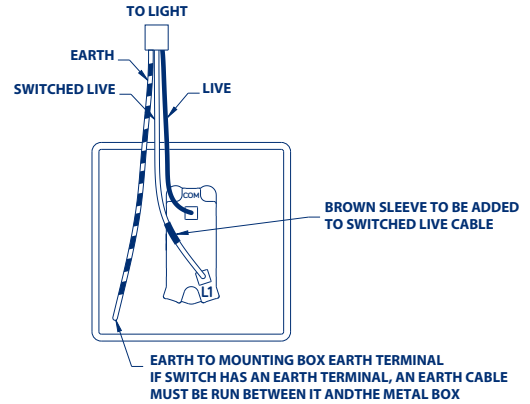
To maintain the high quality appearance of decorative finish switches and sockets, BG Electrical recommend the use of a soft cloth periodically to clean the front face. When installing a decorative product please ensure that the wall is decorated, finished and free of moisture prior to installation.

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:

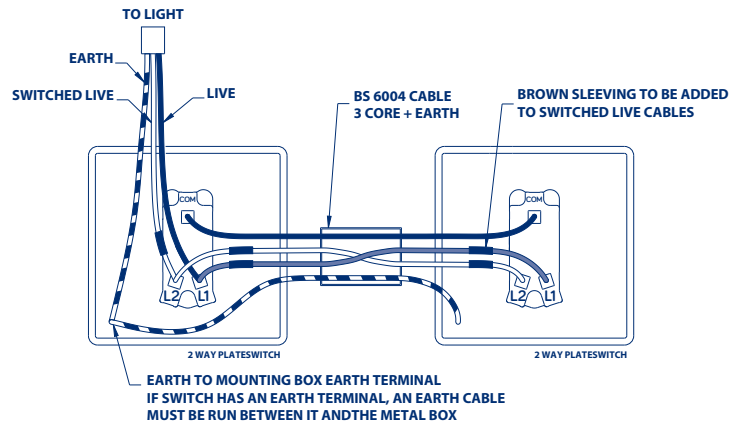
- Adhesive tape, including low tack masking tape
- Solvents
- White spirit
- Multi surface cleaners
- Industrial multipurpose cleaning wipes
- Wet wipes

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

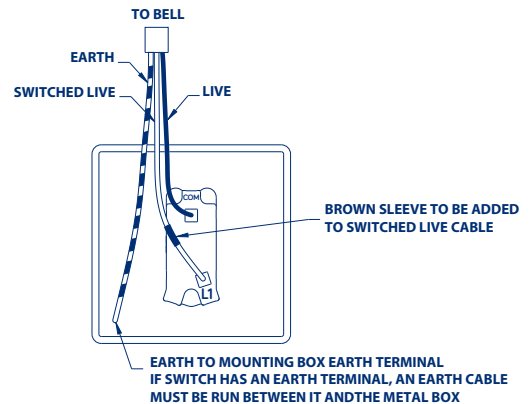
One Way Switching



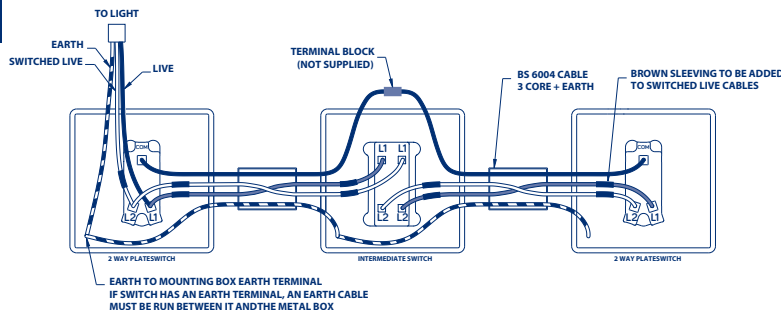
Two Way Switching



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.

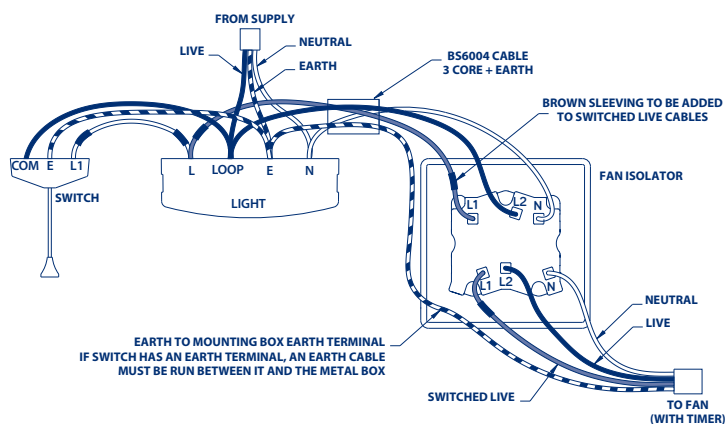
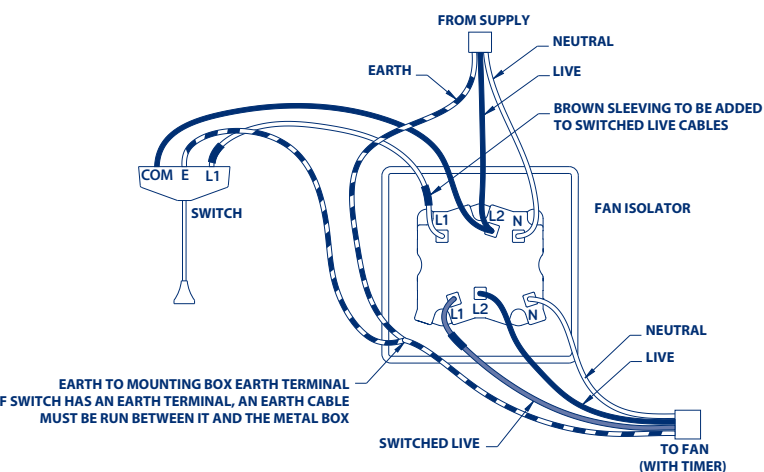
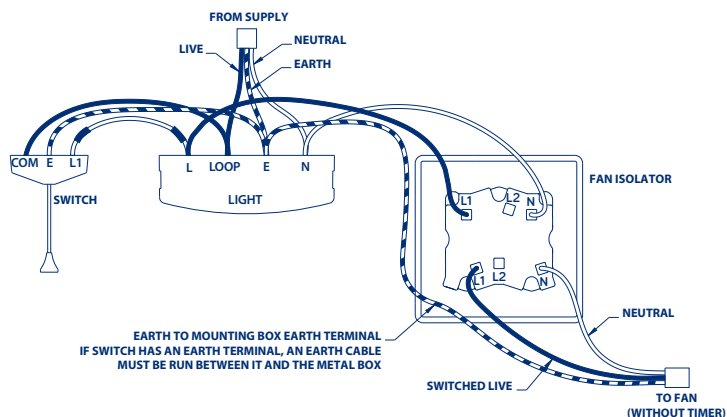
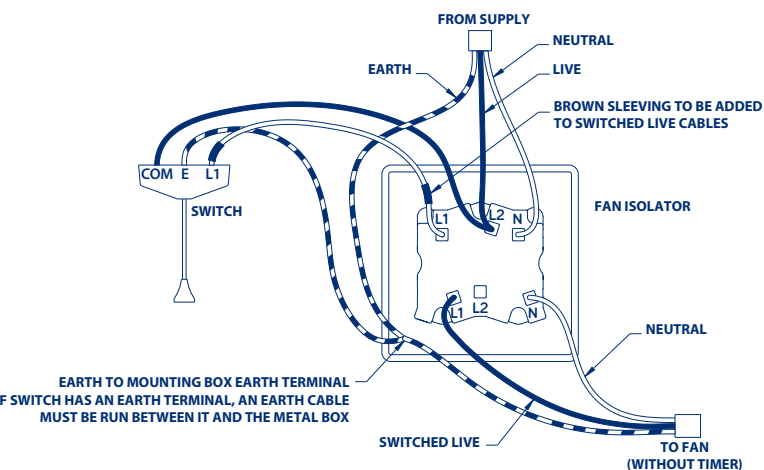
Please follow the appropriate wiring diagram for your particular installation.

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.

Fan Isolator switching



Technical

Voltage : 220-250V~
 Frequency : 50/60Hz
 Rating : 20A 16AX
 SBL Rating : 250W
 Rating [Fan Isolator] : 10A 3 Pole
 Rating [Bell Push] : 10A
 Terminal capacity : 4 x 1mm² 4 x 1.5mm² 2 x 2.5mm² 1 x 4mm² 1 x 6mm²
 Min box depth (profiled plates) : 1 & 2 gang switches 16mm Fan, 3, 4 & 6 gang switches 25mm
 Min box depth (flat plates) : 25mm

ASTA Approved

The ASTA quality mark is evidence that the product has been independently tested to comply with the relevant clauses of the applicable standards.



Batch Code Explanation

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

Address/Helpline

Luceco PLC
 Stafford Park 1
 Telford TF3 3BD
 ENGLAND

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 C/ Bobinadora 1-5
 08302 Mataró
 SPAIN

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

Environmental Protection



This symbol is known as the "Crossed-out Wheeled 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.