Wiring Accessories

Decorative Weatherproof 13A RCD Switched Socket

Installation Instructions

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

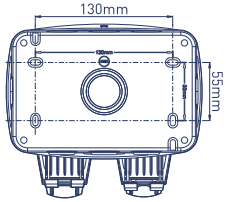
1. The unit should be mounted on a clean, rigid vertical surface suitable to accept screw type fixings. Surface should be reasonably flat as unevenness could cause product damage or affect operation.

2. Remove Front assembly from Rear Box.

3. For cable entry, decide if conduit is being used & entry positions.
For side, top or rear entry the lowermost drain hole position MUST be drilled out using a 5mm drill. ONLY ONE drain hole position must be drilled.
For bottom entry a drain hole MUST NOT be drilled in Rear Box, but a drain hole MUST be drilled at lowermost point of conduit run.
For rear entry, drill/cut the appropriate size hole. For extra sealing protection, channels around knock-out and fixing holes are provided to accept a bead of sealant (not supplied) when fixing to mounting surface.

Note – The drilling of the drain hole or removing a knock-out will reduce the IP rating of the product.

4. Mount the Rear Box using No.8 screws in all four, or at least two diagonal positions on fixing centres shown. The fixing holes are slotted to enable some rotation adjustment if required. Fit supplied Bungs over all used fixing screw positions to seal aperture recesses.



5. Make cable entry into rear box as required. Only remove the blanking plugs for positions used. Ensure adequate excess lengths of cable for connection to the Socket. Install & seal all cable glands & conduit to Manufacturer's instructions.
To install, remove the blanking plug from rear box, and fit gland or conduit. Ensure the gland or conduit and cable entry are sealed with a non-setting sealant.

6. Offer up Front Assembly to Rear Box to determine final lengths of cables & cut to suit. Strip outer insulation as required & then trim insulation on individual wires 10-12mm to expose conductor ends.

7. Connect the wires to the correct rear terminals.
Connect LIVE wire to BROWN LIVE (L) terminal
Connect NEUTRAL wire to BLUE NEUTRAL (N) terminal
Connect EARTH wire to GREEN/YELLOW (E) terminal

NOTE
(1) The colours of the wires will be dependent on the type of cable used.
(2) It is possible to remove the socket from the Front Assembly to aid wiring by unscrewing from fixing points on the rear.

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.

Note - As from 1st April 2004 new colour codes for hard wire installations were introduced.
EARTH = Green/Yellow Sleeving
NEUTRAL = Black (pre Apr 04) / Blue (after Apr 04)
LIVE = Red (pre Apr 04) / Brown (after Apr 04)

If installed correctly BG Electrical Weatherproof products provide an IP66 level of protection, this means that the sealed construction provides a very high level of protection against the ingress of both water & dust. The cover will seal regular sized plugs, however the cover must be closed and secured when in use to provide the IP rating protection. Do not allow water to enter the socket with the cover open.

Safety Advice

What is a safety RCD socket?
Your safety RCD socket continuously monitors the power supply to any electrical appliance plugged into it and cuts off the power within 40 milliseconds if an earth current fault is detected. This is fast enough to prevent a fatal electric shock. Electrical appliances can become dangerous if the wiring becomes loose, if they or their power cords become damaged, or if they get wet. Electrocution is also possible if fingers, wet hair or other conductive bodies enter the appliance. In all these cases your safety RCD socket will instantly cut off the electricity before you or a member of your family receives a potentially fatal electric shock.

Safety Instructions

Please read carefully before installation.

1. An outdoor location should be chosen ensuring adequate access to a mains supply circuit. The circuit MUST be protected by an appropriate fuse, circuit breaker or RCD (Residual Current Device) in accordance with current IET wiring regulations.

2. Where conduit is used for cable runs, water condensation MUST be prevented from collecting inside the unit & conduit. Drain holes MUST be drilled out (see Installation Instructions)

3. If metal conduit is used, earth continuity across the conduit must be maintained using appropriate connections (not supplied). An earth terminal in the Rear Box is provided as required.

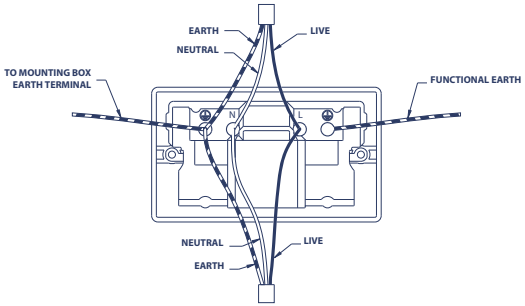
4. Where outdoor cable runs occur, ensure cable recommended for outdoor installations is used. In general, rubber insulated cable & plastic M20 cable glands can be used. Alternatively standard flat PVC twin & earth mains cable inside 20mm plastic or metal conduit may be used. Where necessary, SWA (Steel Wire Armoured) cable with metal cable glands should be used. The outdoor use of unprotected flat PVC insulated cable is NOT recommended.

Latching Operation

If the unit looses supply, perhaps in a power cut or when a hazardous earth fault occurs, the RCD will trip and cut the power supply. When the supply resumes through the RCD, the appliance will revert to the original state, making it particularly useful for protecting indoor appliances such as refrigeration units.
DUE TO LATCHING OPERATION, FOR SAFETY THIS PRODUCT SHOULD NOT BE USED FOR OUTDOOR POWER TOOLS AND GARDEN EQUIPMENT.

Wiring Diagram

13A RCD Switched socket



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

9. Any earth connections MUST be made & continuity maintained. All bare earth wires must be sheathed with green/yellow sleeving. Note – the sockets have two linked earth terminals but only one needs to be used for the installation.

10. After wiring Socket, refit Front Assembly to Rear Box, secure using the fixing screws provided. (Do not over tighten)

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

Service Conditions

This RCD is only suitable for use under the following conditions of service:
1. An ambient temperature range of -5°C to +40°C, with an average value not exceeding +35°C over one full day.
2. An altitude not exceeding 2000m above sea level.
3. An atmosphere not subject to excessive pollution by smoke, chemical or flammable fumes; salt-laden spray; prolonged periods of high humidity or other abnormal conditions.
4. Not suitable for exposure to direct radiation from the sun or other source of heat likely to raise the temperature above the designated ambient, nor may it be suitable for subjection to excessive vibration.

Where service conditions differ from those prescribed above the advice of the manufacturer or responsible vendor should be sought.

A RCD socket should not be used as a substitute for basic electrical safety.

Care

This decorative BG Weatherproof accessory has a Stainless Steel finish, and over time environmental conditions/weathering may affect the finish of this product, especially in coastal regions.
During the life of the product any cleaning should be carried out with a damp cloth using a mild detergent & warm water. DO NOT USE solvent based cleaners as these may cause damage.

Test Procedure

Read these instructions before inserting a plug into either socket and always strictly observe the below test procedure, note Green indicator represents OFF, Red for ON.

1. The RED indicator will normally show in the CLEAR window. If it does not press RESET (orange) button and the RED indicator should appear.
2. Press the TEST button. The RED indicator will disappear from the CLEAR window.

DO NOT USE THE SOCKET IF THE RED INDICATOR REMAINS AND SEEK THE ASSISTANCE OF A QUALIFIED ELECTRICIAN

3. Press the RESET button. The RCD has now been set for safe use provid ing the RED indicator shows in the CLEAR window.

SHOULD THE RCD FAIL TO COMPLETE ANY PART OF THE TEST PROCEDURE, OR CONTINUOUSLY TRIPS OFF WHEN IN USE, STOP USING AND SEEK EXPERT ADVICE

Technical

Voltage : 240V ac
Frequency : 50/60Hz
Socket Rating : 13A
RCD Rating : 30mA
Trip Speed : 40 ms
RCD : Latching mechanism
Type : AC ~
Breaking Capacity : 250A
Short-circuit Current : 1,500A
Terminal Capacity : 3 x 1.5mm², 3 x 2.5mm², 2 x 4mm²
IP Rating : IP66 (when cover securely closed)

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.

Intertek
Lic No.1452

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

(EU) Luceco SE
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 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.