



Wiring Accessories

Weatherproof Switch

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.

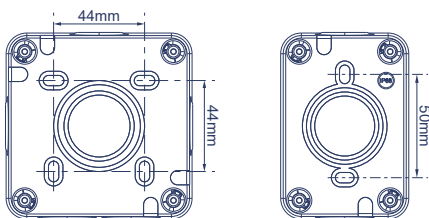
3. For cable entry, decide if conduit is being used & entry positions. For side, top or rear entry the lowermost drain hole position **MUST** be drilled out using a 5mm drill. **ONLY ONE** drain hole position must be drilled.

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, a channel around knock-out is 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 switch [s]. 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 8-10mm to expose conductor ends.

7. Refer to Wiring Diagrams for connection advice.

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.

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.

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)

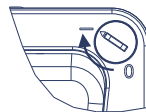
3. If metal conduit is used, earth continuity across the conduit must be maintained using appropriate connections (not supplied). An earth terminal in the Rear Box is provided as required.

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.

10. After wiring Switch, refit Front Assembly to Rear Box, secure using the quick fix fasteners. Turn 150° clockwise with a suitable flat bladed screwdriver to tighten, from 0 to I – **DO NOT OVER TIGHTEN.**



Fastener in open position



Fastener in locked position

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.

NOTE

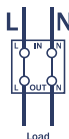
The colours of the wires will be dependent on the type of cable used.
See wire identification section for reference.

Double Pole Switch - WP30

For double pole switching wire the module as follows:

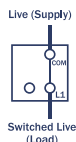
Connect the supply to input (IN) L & N terminals.

Connect the load (appliance) to the output (OUT) L & N terminals



One Way Switch - WP12, WP25

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 single pole one way switching, wire the module as follows:

Connect the Live wire to COM terminal

Connect SWITCHED LIVE wire to L1 terminal

Two Way Switch - WP42

Two way switching is used where a light is controlled by two switches. For two way switching using this switch and another remote switch, wire the module as follows:

On one switch:

Connect the Live wire to COM terminal

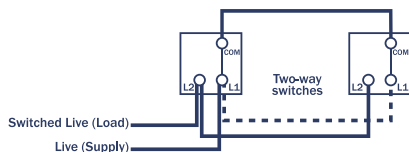
Connect SWITCHED LIVE wire to 1 WAY terminal

On remote switch, using 3 core cable between switches:

Connect wire core 1 between COM terminals

Connect wire core 2 between L1 terminals

Connect wire core 3 between L2 terminals



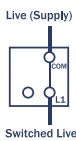
Press Switch - WP14, WP14S

A one way retractive rocker switch. Before installing, ensure the load is suitable for the supply voltage.

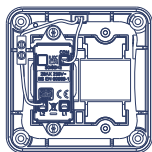
Wire the module as follows:

Connect the Live wire to COM terminal

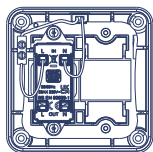
Connect SWITCHED LIVE wire to L1 terminal



Indicator Wiring



WP12, WP14



WP30

The unit has an Indicator pre-wired between the COM terminal & terminal block, with a link wire to 1 WAY terminal. The Indicator can be wired in one of three ways depending on presence of Neutral supply.

- 1. Power Mode: LED ALWAYS ON when POWER is ON.**
- 2. Switch Mode: LED ONLY ON when switch is ON.**
- 3. Locator Mode: LED ONLY ON when switch is OFF. (Not applicable to WP30)**

If Neutral supply wire is present, the LED Indicator can be wired in Power or Switch Mode (or Locator Mode if required).

This BG Electrical Nexus Storm Weatherproof accessory is made from polycarbonate material that is durable with a high impact resistance. 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.

Technical

Voltage : 250V ac
Frequency : 50/60Hz
Switch Rating : 20AX, 20A for 'Press' Switch
SBL Rating : 250W (exclude press switch)
Terminal Capacity : 4 x 1.5mm², 2 x 2.5mm², 1 x 4mm², 1 x 6mm²
IP Rating : IP66

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

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Stafford Park 1
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ENGLAND

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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.