



# Technical Data

## Outdoor Power Kit

### Brief product description:

A range of IP rated accessories designed to protect the potentially dangerous electricity supply in the most arduous of conditions

### Product Images



WP22KIT/3

### Features:

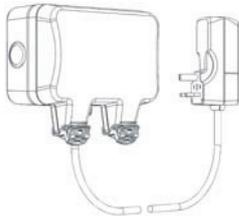
- Stylish modern profile
- Covers to seal the fixing screws
- 2 Earth terminals in socket
- 1 Earth terminal in mounting box
- Cable entries in the 4 sides have removable blanking caps except for the middle entry on the bottom face which is prewired with a cable gland
- Socket is prewired with 3m of 3 core 1.25mm<sup>2</sup> black flex to BS6500, the end of cable is prepared for wiring direct to the RCD plug
- Cover will stay open to allow for easy access to sockets
- See-through cover allows status of switches to be seen
- RCD plug - non-latching type
- Suitable for temporary installation only
- 30mA trip current, 40mS trip speed

### Technical Specifications

Standard(s)	BS 1363 Part 2 (Socket) BS 7071 (RCD Plug)
Rating	13 Amp 250V~
Switch Type	Double pole
Contact Gap	3.0mm minimum
Terminal Capacity	3 x 2.5mm <sup>2</sup> 3 x 4mm <sup>2</sup> 2 x 6.0mm <sup>2</sup>
IP Rating	IP66
Trip current	30mA (RCD Plug)
RoHS Directive	No
WEEE Directive	No
Number of 20mm cable entries	8 x 20mm. 1 in each of the 2 sides and 3 in each of the top and bottom faces 1 drill out entry 20/25mm in rear face (Socket)
Size	171mm x 154mm x 80mm (Socket) 114mm x 51mm x 72mm (RCD Plug)

# Outdoor Power Kit

## Line Diagrams



WP22KIT/3

## Packaging Information

Cat No.	Description	Packaging Type			Pack Quantity			Barcode		
		Product	Inner Box	Outer Box	Each	Inner Box	Outer Box	Individual	Inner Box	Outer Box
WP22KIT/3	2G Skt with RCD Plug	Printed Box	/	Printed Outer Box	1	/	10	5050765022224	/	5050765022323

## Weights & Dimensions

Cat No.	Description	Dimension (W x L x H) cm			Weight (g)			CMB (m <sup>3</sup> )
		Product	Inner Box	Outer Box	Each	Inner Box	Outer Box	Outer Box
WP22KIT/3	2G Skt with RCD Plug	24.5 x 9 x 16.5	/	47.5 x 33.7 x 27	100	/	1250	0.043

## Installation Information

### Safety Warning

Before use 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.

Wiring should be in accordance with the latest edition of the IEE regulations (BS 7671).

### Wire Identification – Twin & Earth Cable

**EARTH** = Green/Yellow Sleeving

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

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



**Technical Helpline: 0845 194 7584**

If in doubt consult a competent electrician.

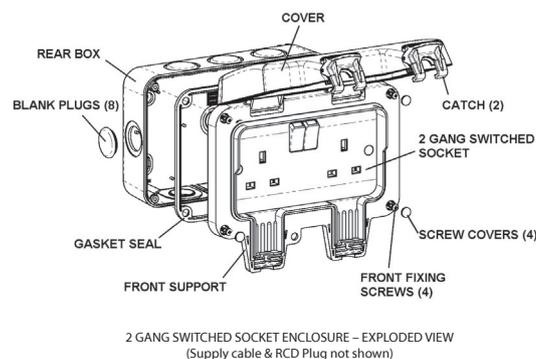
The ends of the individual conductors should have the insulation removed by approx. 12mm. Any bare earth conductors should be sleeved to within 12mm of the ends. (These details are for general information only and conductor lengths may need to be trimmed in certain installations).

### Product Application & Features

The Weatherproof Outdoor Power Kit comprises a robust polycarbonate enclosure with an integrated 2 gang Switched Socket, a pre-wired length of 13A PVC mains cable, & a rewirable RCD Plug. The Kit provides a convenient RCD protected wall-mounted power point for Outdoor equipment – PLEASE READ SAFETY ADVICE.

The enclosure is IP56 rated in use, which means that when the front cover is securely closed, the sealed construction provides a very high level of protection against the ingress of both water & dust.

Access to the socket is by means of the hinged front Cover, which for security reasons can also be locked by padlock (not supplied).



The Front Assembly comprises Front Support, Switched Socket, Cover & Catches which is mounted to a Rear Box using 4 captive fixing screws. A Gasket Seal is located on the front edge of Rear Box. Re-usable Blank Plugs are pre-fitted & are pushed out from the inside. Screw Covers hide front fixing screws. The supply cable is pre-wired via weatherproof cable gland on underside. A mounting bracket interface on rear face allows quick & easy installation.

# Outdoor Power Kit

## Installation Information

### RCD Safety Advice

#### What is a safety RCD plug?

The safety RCD (Residual Current Device) plug continuously monitors the power supply to any electrical appliance wired 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 electrical shock.

Electrical appliances can become dangerous if the wiring becomes loose, if they or their power cords become damaged or if they get wet. Electrocutation is also possible if fingers, wet hair or other conductive bodies enter the appliance. In all these cases the safety RCD socket will instantly cut off the electricity before anyone receives a potentially fatal electric shock.

#### Non-Latching operation

If the unit loses 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 outdoor Socket will remain off until the RCD has been reset by pressing the RESET button.

#### Important

Due to non-latching operation, it is recommended to regularly check any connected equipment as it will remain off after a power cut - even after power is resumed - until the rcd is reset.

#### Safety Instructions - Important

##### Please Read 'Changes To Building Regulations'

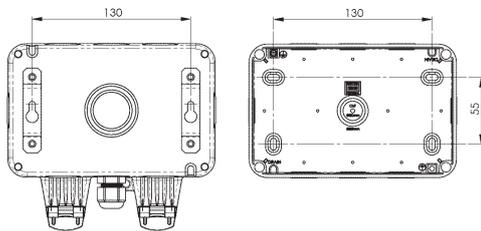
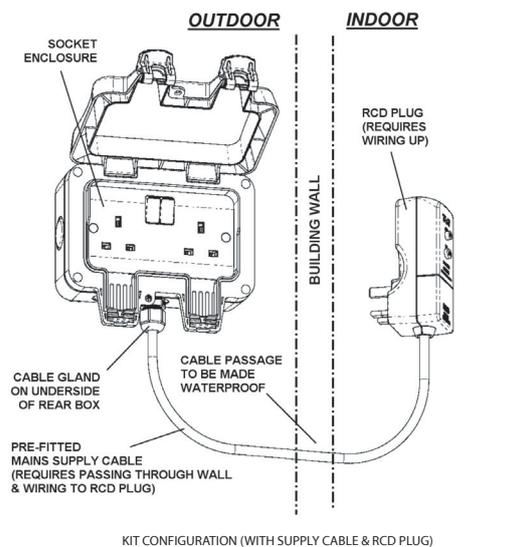
1. An outdoor location should be chosen for the Socket Enclosure ensuring adequate access to an indoor 13A Socket within suitable distance for plugging in RCD Plug with supplied cable.
2. To ensure continued safe & proper weatherproof operation, the unit MUST not be left with the Cover raised open or the Catch left unlocked. Unused cable entries MUST have Blank Plugs fitted.

#### Installation Instructions

The Switched Socket enclosure is typically mounted on an outdoor wall & supplied via the RCD plug connected to an indoor socket. Where necessary, a hole is required in the building wall to pass the supply cable. This arrangement should be suitable for most installation requirements.

If necessary, an alternative cable entry position may be used. To do this dismantle Front Assembly from Rear Box. When re-fitting Cable Gland, ensure Back Nut & Domed Nut are fully tightened to seal cable entry, & the relevant Blank Plug is re-fitted.

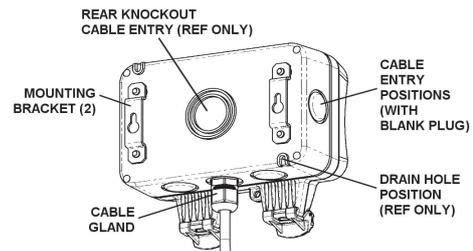
The kit configuration is shown below.



KEYHOLE BRACKET FIXING (LEFT) & DIRECT REAR BOX SLOT FIXING

#### Socket Enclosure Fitment

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. A mounting bracket interface is pre-fitted on rear face. This fixing arrangement via keyhole slots allows quick & easy installation without dismantling unit. It is recommended to use the unit in this way.

Fix two No.8 screws into wall on fixing centres shown below. To mount, engage screw heads into keyhole slots & slide unit downwards to secure.

If required, a direct fixing arrangement using rear box slot fixing positions can be used instead of brackets. For this arrangement, dismantle Front Assembly from Rear Box & remove brackets.

Fix No.8 screws in all four, or at least two diagonal positions on fixing centres shown. Refit supplied Bunges over all used fixing screw positions to seal aperture recesses.

#### Note

The rear knock-out cable entry & drain hole features should be ignored if product is used as supplied. The drilling out of drain hole or removing rear knock-out will reduce the IP rating of the product.

#### RCD Plug Wiring

The RCD Plug MUST be plugged into an indoor 13A socket, conveniently located from the outdoor Socket Enclosure, & within reach of the supplied mains cable.

3. Choose a suitable location on the outdoor wall, clear from any pipes or other cables & make suitable hole through wall, door or window frame to accept passage of mains supply cable from Socket Enclosure.

4. Pass cable through hole & route roughly to intended socket to determine required cable length & cut to suit. Do not cut too short.

5. On indoor side of wall, strip outer insulation 24-26mm from end of cable & then trim individual wires 7-8mm to expose conductor ends.

6. Seal around cable passage through hole to make weatherproof.

7. Undo two screws securing terminal cover & remove cover to expose terminal block.

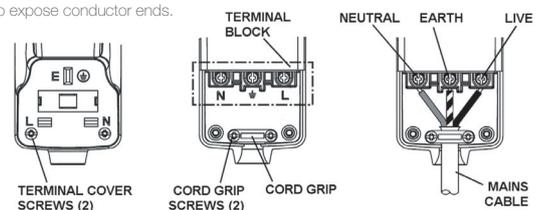
8. Remove the two screws securing cord grip.

9. Make wire connections to terminals as follows: -

Connect BROWN wire to LIVE (L) terminal

Connect BLUE NEUTRAL wire to NEUTRAL (N) terminal

Connect GREEN/YELLOW EARTH wire to EARTH terminal



# Outdoor Power Kit

## Installation Information

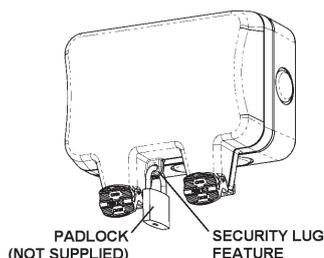
Ensure terminal screws are tight.

10. Replace Cord Grip & Terminal Cover to complete RCD wiring.

11. Plug RCD into indoor socket. The product is now ready to use – see RCD OPERATING INSTRUCTIONS (page 11). Check outdoor Socket is working & ensure Cover & Catch operate correctly.

12. For security to prevent unwanted tampering with Socket, a lug feature with a 6mm hole is provided to accept a padlock or similar locking security device (not supplied)

13. During life of product, any cleaning should only be carried out with a damp cloth using a mild solution of detergent & warm water. DO NOT USE solvent based cleaners as these may cause damage. It is recommended to ONLY clean the external enclosure surfaces with Cover closed. DO NOT get any water on Socket if Cover is open.



### RCD Operating Instructions

Please Read & Observe The Rcd Test Procedure & Rcd Service Conditions Before Use.

### RCD Test Procedure

Stage 1: Insert the RCD plug into a 13A mains socket & switch on.

Stage 2: Press RESET (orange) button and the ORANGE indicator should appear.

Stage 3: Press the TEST button. The ORANGE indicator will disappear from the CLEAR window.

### DO NOT USE UNIT IF THE ORANGE INDICATOR REMAINS

Stage 4: Press the RESET button.

The RCD has now been set for safe use provided the ORANGE indicator shows in the CLEAR window.

### Fusing

The RCD Plug is fitted with a 13A Fuse to BS1362. To replace Fuse, lever out Fuse carrier with small screwdriver & eject Fuse.

### RCD Service Conditions

This RCD is only suitable for use under the following conditions of service:

- an ambient temperature range of  $-5^{\circ}\text{C}$  to  $+40^{\circ}\text{C}$ , with an average value not exceeding  $+35^{\circ}\text{C}$  over one full day
- An altitude not exceeding 2 000 m above sea level
- 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
- Not suitable for exposure to direct radiation from the sun or other source of heat likely to raise the temperature above the designated ambient, or areas subject to excessive vibration.

WHERE SERVICE CONDITIONS DIFFER FROM THOSE PRESCRIBED ABOVE THE ADVICE OF THE MANUFACTURER OR RESPONSIBLE VENDOR SHOULD BE SOUGHT.

AN RCD SOCKET SHOULD NOT BE USED AS A SUBSTITUTE FOR BASIC ELECTRICAL SAFETY.

### Changes To Building Regulations - Important!

As from 1 January 2005, any electrical work done on domestic, fixed wiring installations in England and Wales, will have to follow new rules & changes to the Building Regulations Part P. These rules have been introduced to help reduce the number of deaths, injuries and fires caused by faulty installations.

The installation work may be carried out by anyone providing it is in accordance with the Regulation standards.

Certain electrical work (non-notifiable or minor work) may be carried out without having to use a registered electrician or notify Local Authority Building Control, such as: -

- replacing any electrical fitting (for example, socket outlets, light fittings, control switches)
- adding fused spurs, sockets or lights to an existing circuit (but not in a kitchen, bathroom or outdoors)
- any repair or maintenance work

For minor work done by a non-qualified electrician, it is highly recommended it is checked by a qualified electrician to ensure it is safe.

For all other work (notifiable or major work) a Building Regulations application is required & it must be checked to make sure it is safe.

This may be done by either an electrician who is part of a competent person self-certification scheme, or by notifying the Local Authority Building Control Department who will make required arrangements.

An application must be made to the Local Authority before commencing work such as: -

- adding a new circuit
- adding/altering any circuit in a room with water (kitchen, bathroom, etc)
- adding/altering any circuit outdoors (outdoor sockets, lights, etc)

Where work is done by a qualified electrician, they will be responsible for checking the work, & Local Authority does not need notification.

Where a qualified electrician or Local Authority is responsible for checking the work, they will provide a certificate or notice to confirm that the installation is tested & safe to use.

### IT IS RECOMMENDED TO USE A QUALIFIED ELECTRICIAN

If there is any doubt whether electrical work needs notification of the Local Authority, they should be contacted first for advice.