Technical Data
Weatherproof 13 Amp Socket Outlets

Brief product description:
IP rated accessories designed to protect against water and dust ingress in the most arduous of conditions

Features:
- IP66 Rated with plug in use, cover sealed
- 13A sockets manufactured to BS 1363-2
- Switched sockets with power indicator
- Terminal capacity 3 x 2.5mm², 3 x 4.0mm² & 2 x 6.0mm²
- Supplied with multiple knock-out mounting box
- WP23L - Designed to fit large plug types, transformers, adaptors
- WP23L - Adjustable socket position - top, middle, bottom. *RCD not included
- High level of protection against ingress from water jets & dust, the durable seals will maintain integrity over the product's life
- Robust construction:
  Polycarbonate housing
  High impact resistance
  Long lasting, will not crack or fade

Product Images
Weatherproof 13 Amp Socket Outlets

**Technical Specifications**

<table>
<thead>
<tr>
<th>Standard(s)</th>
<th>BS 1363 Part 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rating</td>
<td>13 Amp 250V~</td>
</tr>
<tr>
<td>Switch Type</td>
<td>Double pole (WP21, WPL21, WP22 products)</td>
</tr>
<tr>
<td>Contact Gap</td>
<td>3.0mm minimum (WP21, WPL21, WP22 products)</td>
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<tr>
<td>Terminal Capacity</td>
<td>3 x 2.5mm², 3 x 4mm², 2 x 6.0mm²</td>
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<tr>
<td>IP Rating</td>
<td>IP66</td>
</tr>
<tr>
<td>RoHS Directive</td>
<td>No</td>
</tr>
<tr>
<td>WEEE Directive</td>
<td>No</td>
</tr>
<tr>
<td>Number of cable entries</td>
<td>5 x 20mm, 1 in each of 3 sides and 2 in the remaining side</td>
</tr>
<tr>
<td></td>
<td>1 drill out entry 20/25mm in rear face (WP21, WPL21, WP23 products)</td>
</tr>
<tr>
<td></td>
<td>8 x 20mm, 1 in each of the 2 sides and 3 in each of the top and bottom faces</td>
</tr>
<tr>
<td></td>
<td>1 drill out entry 20/25mm in rear face (WP22, WP24 products)</td>
</tr>
<tr>
<td></td>
<td>8 versatile entry options with M25 capability with an easy push out blank plug design. One cut out entry option on rear (WP23L, WP21ES products)</td>
</tr>
<tr>
<td>Size</td>
<td>111mm x 154mm x 80mm (WP21, WPL21, WP23 products)</td>
</tr>
<tr>
<td></td>
<td>171mm x 154mm x 80mm (WP22, WP24 products)</td>
</tr>
<tr>
<td>RAL Colour</td>
<td>RAL 7001</td>
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**Line Diagrams**

![Line Diagrams](image)

**Packaging Information**

<table>
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<tr>
<th>Cat No.</th>
<th>Description</th>
<th>Packaging Type</th>
<th>Pack Quantity</th>
<th>Barcode</th>
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<tr>
<td>WP21</td>
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<td>Printed Box</td>
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<td>WP21</td>
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<td>WP22</td>
<td>2G 13A, Sw Skt, DP</td>
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<td>WP23</td>
<td>1G 13A UnSw Skt</td>
<td>Printed Box</td>
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<td>WP24</td>
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<td>WP21ES</td>
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</table>
**Weatherproof 13 Amp Socket Outlets**

### 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)

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).

**Technical Helpline: 03300 249 279**

If in doubt consult a competent electrician.

### Product Application & Features

The Weatherproof Socket range comprises a robust polycarbonate enclosure with durable integrated 1 or 2 gang Switched or Unswitched Sockets. It provides a convenient & safe wall-mounted power point for outdoor equipment such as DIY & garden tools.

The enclosure is IP 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).

**Safety Instructions – Important**

Please Read ‘Changes To Building Regulations’

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 IEE 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. An earth connection from supply circuit MUST be made to earth terminal of socket.

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.

5. The outdoor use of unprotected flat PVC insulated cable is NOT recommended.

6. 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.

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<table>
<thead>
<tr>
<th>Cat No.</th>
<th>Description</th>
<th>Dimension (W x L x H) cm</th>
<th>Weight (g)</th>
<th>CMB (m3)</th>
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<tbody>
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<td>1G 13A, Sw Skt</td>
<td>12 x 9 x 16.5</td>
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<td>2G 13A, Sw Skt, DP</td>
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<td>/</td>
<td>6420</td>
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<td>WP23L</td>
<td>1G 13A UnSw L Skt</td>
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</tbody>
</table>

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**Weights & Dimensions**

**Cat No. Description**

- WP21: 1G 13A, Sw Skt
- WPL21: 1G 13A, Sw Skt, Ind
- WP22: 2G 13A, Sw Skt, DP
- WP23: 1G 13A UnSw Skt
- WP24: 2G 13A UnSw Skt
- WP21ES: 1G 13A, ext Sw Skt
- WP23L: 1G 13A UnSw L Skt

**Technical Helpline: 03300 249 279**

If in doubt consult a competent electrician.

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**Diagram:**

1 GANGL SWITCHED SOCKET

2 GANGL SWITCHED SOCKET

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**Diagram:**

REAR BOX
BLANK PLUGS (5)
COVER
GASKET SEAL
FRONT SUPPORT
FRONT FIXING SCREWS (4)
CATCH
SWITCHED SOCKET
SCREW COVERS (4)

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**Diagram:**

1 GANGL SWITCHED SOCKET – EXPLODED VIEW

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**Diagram:**

2 GANGL SWITCHED SOCKET

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**Diagram:**

Front Assembly comprises Front Support, Switched Socket, Cover & Catch 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 are provided to hide fixings after installation.
Weatherproof 13 Amp Socket Outlets

Installation Information

Ensure Safety Instructions Have Been Read First

Both 1 gang & 2 gang Rear Boxes have multiple cable entries on sides & one rear knockout cable entry. Drain hole positions are provided in relation to conduit positions as shown. Note position of earth terminal.

Note:
1. This 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 fixing screws & remove Front Assembly from Rear Box (if front assembly is fitted to base)
3. For cable entry, decide if conduit is being used & entry positions.
4. For side, top or rear entry the lowest drain hole position MUST be drilled out using a 5mm drill. ONLY ONE drain hole position must be drilled.

Installation Instructions

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 fixing screws & remove Front Assembly from Rear Box (if front assembly is fitted to base)
3. For cable entry, decide if conduit is being used & entry positions.
4. For side, top or rear entry the lowest 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 lowest point of conduit run.

For rear entry, cut or drill out rear knock-out. 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 out of a drain hole or removing rear knock-out will reduce the IP rating of the product.

5. Make cable entry into Rear Box as required. Only remove Blank Plugs for positions used.
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 socket rear terminals. The socket terminals are colour coded for easier reference:
   - Connect EARTH wire to GREEN/YELLOW (E) terminal
   - Connect NEUTRAL wire to BLUE NEUTRAL (N) terminal
   - Connect LIVE wire to BROWN LIVE (L) terminal

Note: The colours of the wires will be dependent on the type of cable used. See Wire Identification section for reference.

8. All earth connections MUST be made & continuity maintained. Note - the Socket has two linked earth terminals but only one needs to be used for this installation.
9. Where any earth conductor is a bare wire, it MUST be sleeved with green/Yellow sleeving.
10. Ensure all terminal screws are tight & all wires are neatly routed & not unduly stretched or pinched.
11. After wiring socket, refit Front Assembly onto Rear Box using fixing screws – DO NOT OVERTIGHTEN. Ensure the Gasket Seal is properly fitted over front edge of Rear Box
12. Fit Screw Covers to complete installation.
13. Switch power back on, check Socket is working & ensure Cover & Catch operate correctly. The product is now ready to use.

Changes To Building Regulations – Important!

As from 1 January 2005, any electrical work done in 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, which is notifiable, minor work or upgrading a system, will have to be notified to your local Authority Building Control to ensure it is safe. If the work is not notified it may be dangerous.

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.