



# Technical Data

## Time Controlled 13A Socket

### 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
- Socket manufactured to BS 1363-2
- 24 hour mechanical timer, 1 segment = 15 minutes. With override switch and LED power indicator
- Terminal capacity 3 x 2.5mm<sup>2</sup>, 3 x 4.0mm<sup>2</sup> & 2 x 6.0mm<sup>2</sup>
- Supplied with multiple knock-out mounting box
- Weather & dust protection: Protection against ingress from water jets & dust, the durable seals will maintain integrity over the product's life
- Ergonomic front cover/Lid:  
Bright LED power indicator visible through see-through cover  
Hinged cover has simple press to open or press to close operation  
Neck feature accommodates most plugs with bulky moulded strain relief  
Lockable cover
- Robust construction:  
Polycarbonate housing  
High impact resistance  
Long lasting, will not crack or fade  
Housing incorporates cable entry seals

### Product Images



WP23TM24

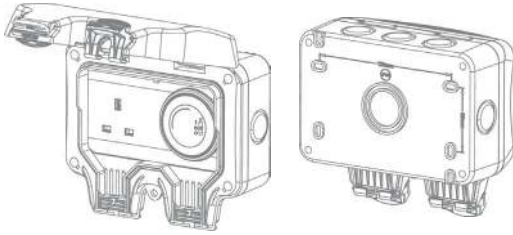
### Technical Specifications

Rating	3,120 Watts Max, 13A 240V ~
Terminal Capacity	3 x 2.5mm <sup>2</sup> , 3 x 4.0mm <sup>2</sup> & 2 x 6.0mm <sup>2</sup>
IP Rating	IP66
RoHS Directive	No
WEEE Directive	No

Imaged plug, fixings, wall plugs, and sealant not included

# Time Controlled 13A Socket

## Line Diagrams



## 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
WP23TM24	13A Socket	Printed Box	/	Printed Outer Box	1	/	10	5050765044783	/	5050765044974

## 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
WP23TM24	13A Socket	xxxx	/	xxx	xx	/	xx	xxx

## 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 Sleaving

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

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

To prevent fire hazard always use cable of the correct rating, size and type for the application.

Note - As from 1st April 2004 new colour codes for hard wire installations was introduced.



**Technical Helpline: 0845 194 7584**  
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 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 the 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 and 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 glands should be used.

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

5. To ensure continued safe and 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.

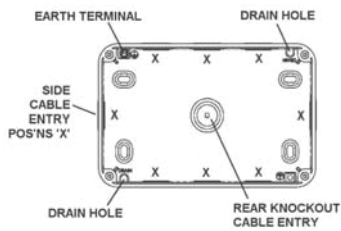
### Installation Instructions

#### Ensure Safety Instructions Have Been Read First

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

# Time Controlled 13A Socket

## Installation Information



### Note

- 1 Gang (as shown) has 4 drain holes & 5 cable entry positions.
- 2 Gang (not shown) has 2 drain holes & 8 cable entry positions.

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 the rear box (if front assembly is fitted to base).

3. For cable entry, decide if conduit is being used and it's entry positions.

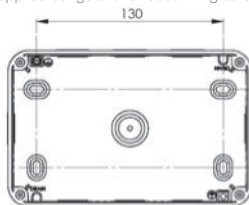
For side, top or rear entry the lowest drain hole position MUST be drilled out using a 5mm drill. ONLY ONE drain hole must be drilled.

For bottom entry the drain hole MUST NOT be drilled in the rear box, but a drain hole must be drilled in the lower most point of conduit run.

For rear entry, cut or drill out the rear knockout. For extra sealing protection a channel around the knockout is provided to accept a bead of sealant (not supplied) when fixing to mounting surface.

**Note:** Drilling out of a drain hole or removing rear knockout 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 the supplied bungs over all used fixing screw positions to seal aperture recesses.



5. Make cable entry into rear box as required. Only remove blank plugs for positions used. Ensure adequate excess lengths of cable for connection to socket. Install & seal all cable glands and conduit to manufacturers instructions. Ensure the gasket seal is properly fitted over the front edge of the rear box.

Supplied with this product is a Conduit Entry gland. To install, remove the blanking plug from box, and fit gland. Ensure the conduit and cable entry are sealed with a non-setting conduit sealant.

6. Offer up front assembly to rear box to determine final lengths of cables & cut to suit. Strip outer insulation as required and then trim insulation on individual wires 10-12mm to expose conductor ends.

7. Connect the wires to the correct rear terminals. The socket terminals are colour coded for easier reference:

**Connect Live wire to Brown Live (LIN) terminal**

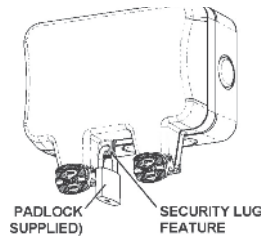
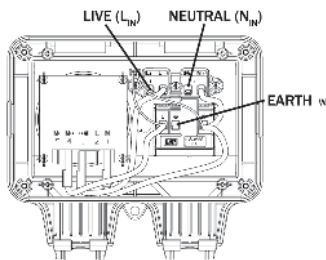
**Connect Neutral wire to Blue Neutral (NIN) terminal**

**Connect Earth wire to Green/Yellow (E) terminal**

**Note:** the colours of wires will be dependent on the type of cable used. See Wire Identification section for reference. Please see reverse for wiring diagram.

8. All earth connections MUST be made and continuity maintained.

### WP23TM24 Wiring Diagram



8. All earth connections MUST be made & continuity maintained.

9. Where any earth conductor has a bare wire it MUST be sleeved with Green/Yellow sleeving.

10. Ensure all terminal screws are tight, and 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 before tightening screws.

12. Fit Screw Covers to complete installation.

13. Switch power back on, check the socket is working and ensure the cover and catch operate correctly. The product is now ready to use.

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

15. During product life any cleaning should be carried out with a damp cloth using a mild solution of detergent and warm water. DO NOT USE solvent based cleaners as they may cause damage. It is recommended to only clean the external surfaces with cover closed. DO NOT get water on socket if the cover is open.

### 24 Hour Timer User Instructions

Please read carefully and use in accordance with our safety instructions below:

1. Plug the appliance to be controlled into the socket.

2. Push the segments on the timer face towards the outer edge corresponding to the desired operating time. (One segment=15 minutes)

3. Turn the disk clockwise, following the direction of the arrow, until the marker is pointing at the current time.

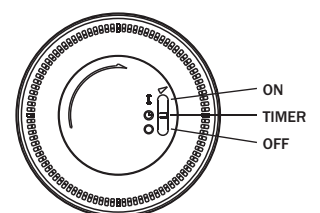
4. To activate the timer function ensure that the switch next to the disk is set to the centre position.

5. For manual override to switch power permanently ON, move switch to the top position.

6. For manual override to switch power permanently OFF, move switch to the bottom position.

Maximum load=13A(2) 3120W

**DO NOT OVERLOAD THE TIMER**



# Time Controlled 13A Socket

## Installation Information

### 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 (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.