



Technical Data

Light Sensitive Outdoor Timer Switch

Brief product description:

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

Features:

- IP55 Rated
- Automatically switches on/off lights or other connected devices
- Settings included - Dusk-till-Dawn operation, or selected time periods to turn off after dusk (2, 4, 6 or 8 hours)
- Adjustable light sensitivity
- Max Load: 1,000 Watts - Max resistive load, 500 Watt - Max inductive load
- Weather & dust protection: 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
 - Housing incorporates cable entry seals

Product Images



WPDD

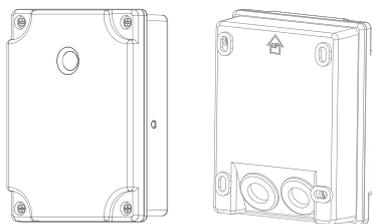
Technical Specifications

Max Resistive Load	1,000 Watts
Max Inductive Load	500 Watt
IP Rating	IP55
RoHS Directive	No
WEEE Directive	No

Fixings, wall plugs and sealant not included

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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
WPDD	Outdoor timer switch	Printed Box	/	Printed Outer Box	1	/	30	5050765044776	/	5050765044967

Weights & Dimensions

Cat No.	Description	Dimension (W x L x H) cm			Weight (g)			CMB (m ³)
		Product	Inner Box	Outer Box	Each	Inner Box	Outer Box	Outer Box
WPDD	Outdoor timer switch	xxx	/	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 Slewing

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.



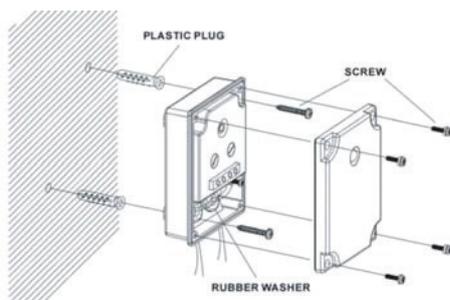
Technical Helpline: 0845 194 7584
If in doubt consult a competent electrician.

Ensure Safety Instructions Have Been Read First

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. Position where there is sufficient difference in day/night light conditions, so that the sensor is not affected by external or internal lighting. It is recommend that the unit is placed at a height greater than 1.7m.

Please note: The lighting controller unit must be connected to a lighting circuit that is fused at 6A maximum.

2. Remove fixing screws & remove front assembly from the rear box (if front assembly is fitted to base). The load and supply cables should then passed through the rubber washers. Mount the rear box using No. 6 in at least two of the four locations (two locations are pre-drilled). (See diagram below). The fixing holes are slotted to enable some rotation adjustment if required.



Fixing screws and plastic plugs not supplied.

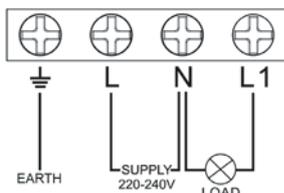
Note

Power cord specification: Max = 2 x 2C or 3C 1.5m m² Round PVC or Rubber cable (2xH05RN-F 3C/2C 1.5mm² or 2xH05RR-F 3C/2C 1.5mm² max)

3. Strip outer insulation of cables as required, and then trim insulation on individual wires to expose conductor ends. Connect the supply and load wires to the corresponding terminals as shown in the diagram below.

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Connect Brown Live wire to Live terminals (Supply to 'L', Load to 'L1') Connect Blue Neutral wire to Neutral terminal (N). Connect Green/ yellow Earth wire to (symbol) terminal.

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

4. All earth connections **MUST** be made and continuity maintained. Where any earth conductor has a bare wire it **MUST** be sleeved with Green/Yellow sleeving.

5. Ensure all terminal screws are tight, and all wires are neatly routed & not unduly stretched or pinched.

6. After wiring the unit is now ready for testing before final assembly. Turn the right dial switch to the "D-D" position, and turn power back on.

CAUTION – DO NOT TOUCH TERMINALS.

7. Testing. First, cover the light sensor above the dials. The connected light will turn on after 10 seconds. Uncover the sensor and the light will turn off after 10 seconds.

8. Light Sensitivity Adjustment. The activation light level (or Twilight Setting) can be adjusted by rotating the left dial. (from 3 lux to 1000 lux). Or alternatively to set the activation light level use a small screwdriver or blunt point, and hold in the "M" button on the side of the unit for 1 second.

9. Operation Selection

The unit has options for the length of time the connected light will remain on after the activation light level has been reached.

The following options can be selected using the right dial.

10. "D-D" – the connected light will go on at dusk, and off at dawn (according to the light level set).

"2H" – light will turn off after 2 hours.

"4H" – light will turn off after 4 hours.

"6H" – light will turn off after 6 hours.

"8H" – light will turn off after 8 hours.

Once the desired settings have been made, re-fit cover and secure accordingly.

Do not overload the timer switch.

Max Load

1000W – Resistive Load

500W – Inductive Load

Troubleshooting

Malfunction	Remedy
Unit does not switch on	Check connections
Unit turns on and off when connected to a light source	Make sure that connected light does not shine on unit
Unit does not switch off	Check if sensor window is being obstructed

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.