

# PowerBreaker PROTEKT

## IP66 Rated Weatherproof Switches - PSW1G2W & PSW2G2W

PowerBreaker Protekt products are suitable for use outdoors in severe conditions of rain and water spray as well as dust contamination to IP66 as defined by BS EN 60529. All products are for use with a 230V 50Hz supply.

### INSTALLATION GUIDE - IMPORTANT

This product should be installed by a competent person and in accordance with the current IET Wiring Regulations. If in doubt, consult a qualified electrician

#### Important -

- Always disconnect the mains supply via the switch in the main fuse board or consumer unit before commencing any electrical work.
- Ensure that all terminal screws are fully tightened and that earth wires are sleeved and that no bare wires are showing.
- Cable glands must be used which maintain the IP rating. The warranty is invalid if IP rating is not maintained.

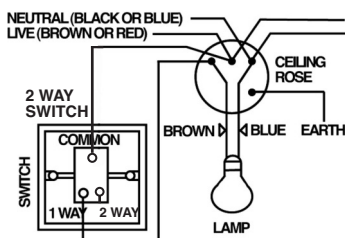
## PSW1G2W & PSW2G2W Installation & Operating Instructions

A 1-way switch allows light control from one location only, 2-way switches control lighting from 2 separate locations. A 2-way switch may also be used as a 1-way switch by wiring in accordance with instructions.

1. The mounting surface must be flat and free from grease, dirt or loose material.
2. Ascertain the required position for the unit. Remove rocker switch plate/s (grey) by inserting a small flat bladed screwdriver either side of the switch and lever off. Unscrew the 4 screws and remove the switch cover thereby exposing the switch module by pulling firmly.
3. Using the pre-drilled holes in the base unit, screw the base unit into the required position.
4. To maintain the IP rating, 20mm compression glands must be used for the cable entry.
5. Strip back insulation from each wire and connect to appropriate terminals. Ensure earth conductor is sleeved and secured to the earth terminal.
6. Once the unit has been wired, re-fit the switch module to the base unit and re-secure the switch cover. Tighten with the 4 screws.
7. Push rocker switch plate/s (grey) back into position ensuring correct orientation.
8. Do not use solvents or acids to clean the box as these may attack the plastic used. The exterior should be cleaned only by using a mild solution of detergent and warm water.

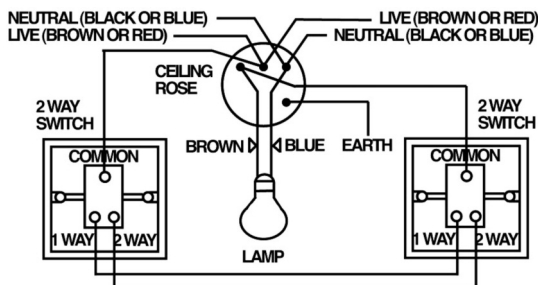
### LIGHT SWITCH 2-WAY

Lighting circuit showing 1-way switching



## LIGHT SWITCH 2-WAY

Typical lighting circuit showing 2-way switching



- + L LIVE = (Brown or Red)
- N NEUTRAL = (Black or Blue)
- ⊕ E EARTH = (Green/Yellow)

## Cleaning

If the unit needs cleaning it should be disconnected from the mains supply. Wipe the surface with a dry cloth. Do not use a damp or wet cloth or a solvent based cleaning agent, as this may damage or impair the safety of the product.

## Disclaimer

This equipment is intended for domestic & light commercial use only. It must be installed in accordance with these fitting instructions. It should be fixed in the approved & conventional way to a solid or suitably safe surface. The equipment should be connected to a mains supply of the appropriate voltage (indicated on the product). If you are unsure, consult a qualified electrician before fitting. No liability can be accepted if this product is installed or used in any other way.

PLEASE NOTE: Electricity is dangerous and can kill. If you are in any doubt of how to fit your product or there appears to be damage to the wiring, please consult a qualified electrician.

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## TECHNICAL INFORMATION

Rating:	10AX, 230~240V 50Hz
Dimensions:	W97 x H97 x 65mm
Conforms To:	BS EN 60669-1 & BS EN 61058-1

### NOTE:

#### Product & Packaging Disposal

*When disposing of this item and its packaging please follow local regulations and use an appropriate waste disposal centre.*

*See GreenBrook website for further details.*

**GUARANTEE**  
Your PowerBreaker Protokt IP66 Switch  
is guaranteed for 5 years from  
the date of purchase.  
This is in addition to your statutory rights.

**Please keep these instructions for future reference.**

**INSTALLER** - Please pass instruction manual onto the owner of the unit.



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