



Item Code	Description
TW1221	1g 2w 20AX Switch with Neon
TW1222	2g 2w 20AX Switch with Neon
TW1226	1g 2w 20AX Press Switch with Neon

Timeguard Weatherproof – Switches

Features

- **Timeguard Weatherproof:** Outdoor IP66 rated accessory protects against water and dust ingress.
- Impact resistant polycarbonate housing, robust translucent cover allowing neon indicators to be seen.
- Single clip mechanism provides quick and easy access.
- Fast fix screws allows switch cover to be quickly installed and removed

Safety Instructions - If in doubt, contact a qualified electrician

1. These instructions should be read carefully and retained after installation for future reference and maintenance.
2. This product should be installed in accordance with current edition of IET wiring regulations, BS 7671 and local building regulations. If in any doubt, contact a qualified electrician.
3. Always switch off the mains electrical supply at the consumer unit before commencing installation.
4. Only install using the back box provided with the product.
5. If side, top or bottom entry is used, ensure appropriately IP rated glands are used to maintain IP66 rating.
6. When preparing cables, strip insulation to correct length to allow the conductors to reach the terminals.
7. Switches must be earthed and earth conductor must be sleeved with green/yellow insulation sleeving.

Environmental Instructions

This product may contain substances that can be hazardous to the environment if not disposed of properly. Waste electrical and electronic equipment (WEEE) should never be disposed of with general household waste but must be separated for its correct treatment and recovery. Where possible recycle your packaging.

Installation Instructions

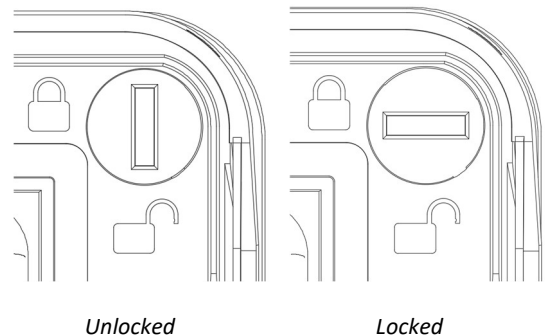
SUGGESTED METHOD OF INSTALLATION

Read instructions and check you have all the tools and accessories to complete the installation safely and in compliance with current electrical regulations

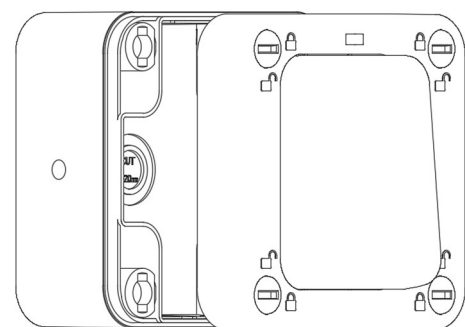
1. Ensure the electrical supply is switched off.
Remove the back box from the switch cover by turning the quarter turn screws to the "unlocked" position and pulling apart.
2. Install the back box on the wall using appropriate fixings and route the power cable through a knockout on the box. Use a drill and a hole saw for cable entry. Use an appropriately IP rated gland if using the top, bottom or side entries. If using rear entry through a wall, consider using some waterproof sealant to ensure no moisture ingress. Drill out a single marked drain hole at the bottom of the back box using a 3-5mm drill bit (Note: This may reduce the IP rating.)
3. Prepare the power cable by stripping the live, neutral (if present) and earth wires to required length.
4. Take the switch cover and loosen the terminals at the back of the switch module. Insert the Live and Switched Live wires into their respective terminals and tighten the terminal screws onto the conductors. After sleeving, connect the earth wires into the earth terminal in the back box provided. If a neutral conductor is present, connect this inside the back box using an appropriately rated electrical connector. Follow the diagrams in this document for typical wiring details of different variants of 1 and 2 way switching.
5. Refit the switch cover using the 4 quarter-turn screws.
6. Switch on the power supply and check the operation.

Note: The neon in this unit does not come pre-wired. Please check the wiring diagrams below for neon wiring options.

Quarter Turn Switch cover Screws

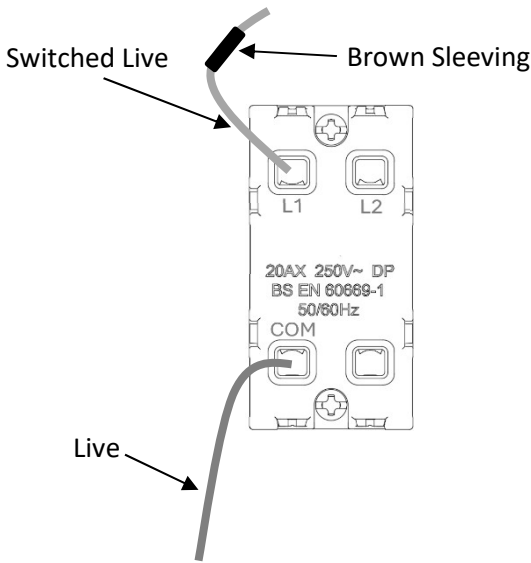


Back Box and Switch Cover



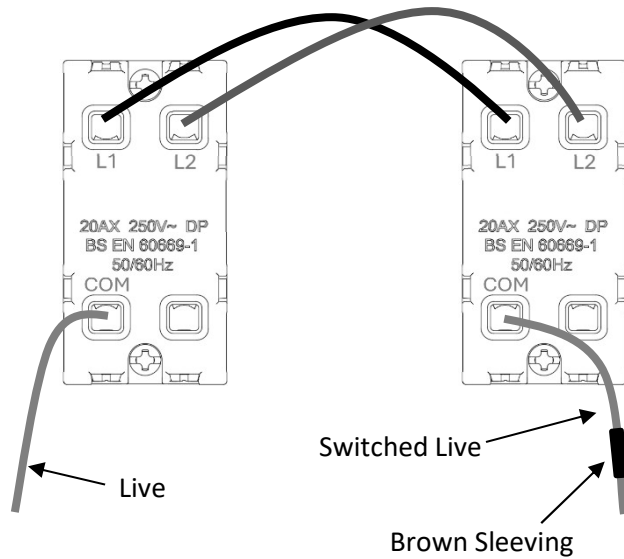
One Way Switching

One way switching is used in installations where a circuit is required to be switched on or off from one location.

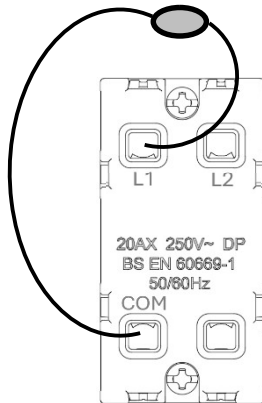


Two Way Switching

Two way switching is used in installations where a circuit is required to be switched on or off from two locations.

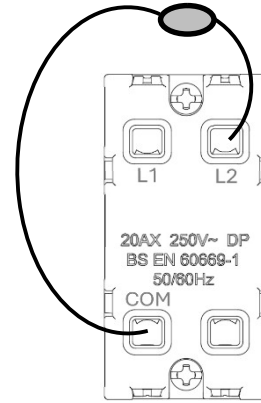


Neon Wiring Option 1



Neon **ON** when L1 load is **OFF**

Neon Wiring Option 2



Neon **ON** when L2 load is **OFF**
(Two-way Switching Only)

Wiring colours

As of April 2004, twin and earth cable core colours for all new fixed wiring installation in the UK have been updated. Refer to the table for twin and earth wiring colours identification.

	Wiring colours	
	Pre April 2004	Post April 2004
Live	Red	Brown
Neutral	Black	Blue
Earth	Yellow/Green	Yellow/Green

Specification

Input Voltage	250V ac 50/60Hz	Terminal Capacity	2 x 2.5mm ² , 4 x 1.5mm ²
Current Rating	20A	Compliance	BS EN 60669
Ingress Protection Rating	IP66		BS EN 60529

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