



# Technical Data

## 45 Amp Double Pole Switches

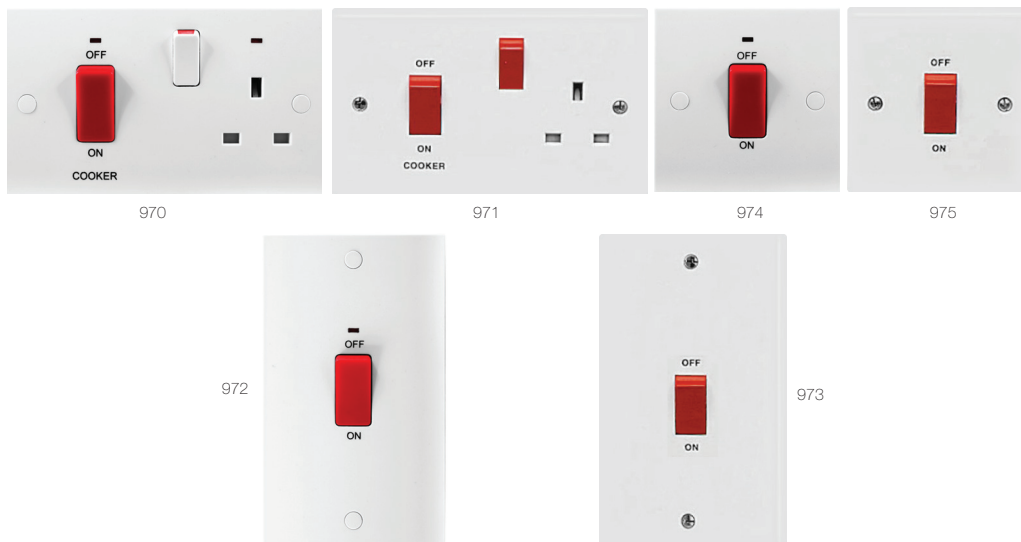
### Brief product description:

A standard range of white moulded wall accessories offering superb quality and exceptional value.

### Features:

- White moulded round edge, sleek and slim with softly rounded edges
- Covers to conceal fixing screws
- Angled colour coded terminals with captive screws
- 2 earth terminals
- Flush LED power indicator on 970, 972, 974 & 976
- Easy to install, supplied with fixing screws and installation instructions

### Product Images



### Technical Specifications

Standard(s)	BS 4177 (970, 971 products) BS EN 60669 (972, 973, 974, 975 products)	 
ASTA Approved	Yes, License Number 1014 (970, 971 products) License Number 1012 (972, 973, 974, 975 products)	
Rating	45 Amp 250V~	
Switch Type	Double pole	
Contact Gap	3.0mm minimum (972, 973, 974, 975 products)	
Terminal Capacity - L & N	4 x 4.0mm <sup>2</sup> 3 x 6.0mm <sup>2</sup> 1 x 16.0mm <sup>2</sup>	
Terminal Capacity - Earth	3 x 4.0mm <sup>2</sup> 2 x 6.0mm <sup>2</sup> 1 x 16.0mm <sup>2</sup>	
RoHS Directive	No	
WEEE Directive	No	
Mounting Box Depth(Min)	47mm	
Fixing Centres	60.3mm (974, 975 products) 120.6mm (970, 971 products) 120.6mm vertical (972, 973 products)	
Size	146.5mm x 86mm x 31.8mm (970, 971 products) 146.5mm x 86mm x 29.3mm (972, 973 products) 86mm x 86mm x 29.3mm (974, 975 products)	

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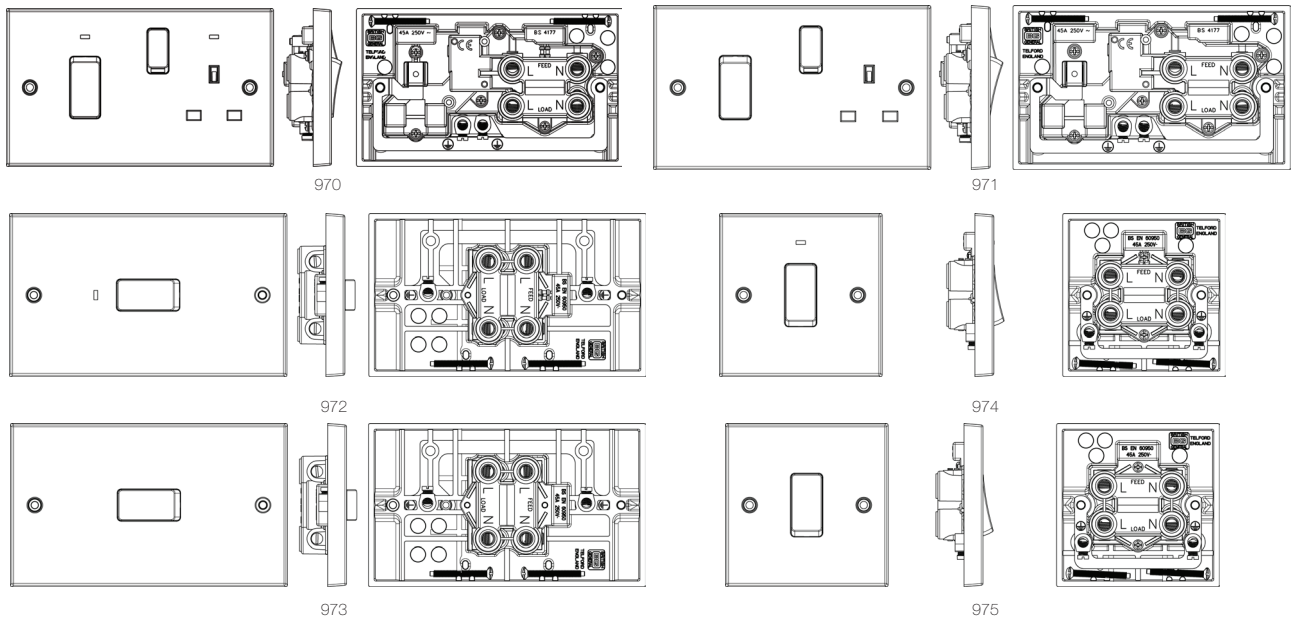
## Packaging Information

Cat No.	Description	Packaging Type			Pack Quantity			Barcode		
		Product	Inner Box	Outer Box	Each	Inner Box	Outer Box	Individual	Inner Box	Outer Box
970	45A CCU + Neon	Plain Bag	Plain Inner	Plain Outer	1	5	50	5021166970001	5021166970094	5021166970087
971	45A CC	Plain Bag	Plain Inner	Plain Outer	1	5	50	5021166971008	5021166971091	5021166971084
972	45A Sw + Neon	Plain Bag	Plain Inner	Plain Outer	1	5	50	5021166972005	5021166972098	5021166972081
973	45A Sw	Plain Bag	Plain Inner	Plain Outer	1	5	50	5021166973002	5021166973095	5021166973088
974	45A Sw + Neon	Plain Bag	Plain Inner	Plain Outer	1	10	100	5021166974009	5021166974092	5021166974085
975	45A Sw	Plain Bag	Plain Inner	Plain Outer	1	10	100	5021166975006	5021166975099	5021166975082

## 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
970	45A CCU + Neon	14.7 x 8.8 x 3.5	15.5 x 19 x 9.7	31.8 x 51 x 19.8	1	1000	12280	0.03211164
971	45A CC	14.7 x 8.8 x 3.5	15.5 x 19 x 9.7	31.8 x 51 x 19.8	1	1000	12300	0.03211164
972	45A Sw + Neon	8.8 x 14.7 x 3.5	15.5 x 19 x 9.7	31.8 x 51 x 19.8	21	1050	10500	0.03211164
973	45A Sw	8.8 x 14.7 x 3.5	15.5 x 19 x 9.7	31.8 x 51 x 19.8	8	800	10500	0.03211164
974	45A Sw + Neon	9.2 x 9.2 x 3.5	15.3 x 15.5 x 9.2	31.7 x 49 x 16.3	13	1300	14300	0.02531879
975	45A Sw	9.2 x 9.2 x 3.5	15.3 x 15.5 x 9.2	31.7 x 49 x 16.3	12	1200	13340	0.02531879

## Line Diagrams



# 45 Amp Double Pole Switches

## Installation Information

### Safety Warning

For your safety, this product must be installed in accordance with local building regulations. If in any doubt, or where required by the law, consult a competent person who is registered with an electrical self-certification scheme.

Further information is available online or from your Local Authority.

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 IET regulations (BS 7671). To prevent fire hazard always use cable of the correct rating, size and type for the application.

Any bare earth wires must be covered with appropriate green/yellow sleeving.

Warning do not exceed the load rating of this device as stated on the rear of the product.

If in doubt consult a competent electrician.

### 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)



**Technical Helpline: 03300 249 279**

**If in doubt consult a competent electrician.**

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).

### General Installation Instructions

- 1) If using the new product to replace an old one, note the cable connections and wire up new product in the same way as the old one, with Earthing as stated in these instructions.
- 2) Ensure the mounting box (metal or patress) for either flush or surface mounting is the appropriate size for the product.
- 3) Route the cable through the most suitable entry point of the mounting box. If a metal box is used, a protective cable grommet should be used.
- 4) Cables should be prepared so a sufficient conductor length reaches the terminals. Strip the ends of the individual conductors so that an adequate length enters the terminals.
- 5) Carefully arrange the wiring to lie along the edges of the product or box, keeping the central area clear.
- 6) To assist with the correct installation please consult the appropriate wiring diagram on this leaflet.
- 7) When connecting the new accessory ensure that only the bare end of the wire enters the terminal, and no bare wires are visible.

Always tighten the terminal screws securely, but do not overtighten.

An earth connection should always be made between the mounting box earth terminal, and the accessory earth terminal, where fitted. If this earth wire is bare, it is essential that it is sheathed with a length of green/yellow sleeving.

8) Carefully position the accessory into the wall box, ensuring that no wires are trapped between the plate and the wall. Do not overtighten the screws. (Fit screw covers + clip-on)

9) Once work has been completed correctly, replace the fuse for the circuit, switch the power back on, and test.

The product is now ready for use.

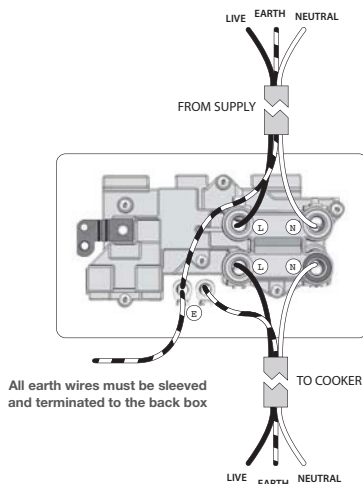
\* Note - If your installation uses a four lug metal mounting box, remove the top and bottom lugs or bend fully back.

### 45 Amp Double Pole Cooker Control Unit

This product has no cable entry, and should only be used for "hard" wired installations. Connect the cables as shown in the diagram.

#### NOTE

This product must be connected to a separate 45 Amp protected radial circuit.

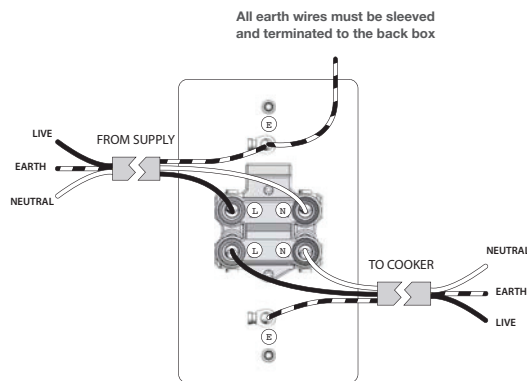


### 45 Amp Double Pole Switch - Double Plate

This product has no cable entry, and should only be used for "hard" wired installations. Connect the cables as shown in the diagram.

#### NOTE

This product must be connected to a separate 45 Amp protected radial circuit.



### 45 Amp Double Pole Switch - Single Plate

This product has no cable entry, and should only be used for "hard" wired installations. Connect the cables as shown in the diagram.

#### NOTE

This product must be connected to a separate 45 Amp protected radial circuit.

