



# Technical Data

## 20 Amp And 32 Amp Double Pole Switches

### Brief product description:

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

2 depths of frontplate available to allow for flex outlet and concealed wiring options.

Switches are available with Neon Indicators, Flex Outlets & printed with WATER HEATER.

### Features:

- A standard design - suitable for domestic or commercial installations.
- Colour coded terminals with backed out captive screws for easy installation
- Flush Neon Indicator on 931, 933
- All versions have a flex outlet with cord grip in the lower edge with removable knockout.
- Frontplate printed WATER HEATER on 933

### Product Images



### Technical Specifications

Standard(s)	BS EN 60669-1
Rating	20 Amp 250V~ ( 930, 931, 933 products)
Switch Type	Double pole
Contact Gap	3.0mm minimum
Terminal Capacity	3 x 2.5mm <sup>2</sup> 2 x 4.0mm <sup>2</sup> 1 x 6.0mm <sup>2</sup>
RoHS Directive	No
WEEE Directive	No
Mounting Box Depth(Min)	25mm
Fixing Centres	60.3
Size	86mm x 86mm x 25.5mm

### 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
930	20A D.P. Switch	Plain Bag	Plain Inner	Plain Outer	1	10	100	/	5021166930098	5021166930081
931	With Neon	Plain Bag	Plain Inner	Plain Outer	1	10	100	/	5021166931088	5021166931095
932	"Water heater" marking	Plain Bag	Plain Inner	Plain Outer	1	10	100	/	5021166932092	5021166932085
933	"Water heater" & neon	Plain Bag	Plain Inner	Plain Outer	1	10	100	/	5021166933099	5021166933082
934	32A D.P. Switch,neon	Plain Bag	Plain Inner	Plain Outer	1	10	100	/		

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## 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
930	20A D.P. Switch		14 x 16.5 x 9.2	28.8 x 48 x 17.2		950	11000	0.02377728
931	With Neon		14 x 16.5 x 9.2	28.8 x 48 x 17.2		950	11000	0.02377728
932	"Water heater" marking		14 x 16.5 x 9.2	28.8 x 48 x 17.2				0.02377728
933	"Water heater" & neon		14 x 16.5 x 9.2	28.8 x 48 x 17.2		950	11000	0.02377728
934	32A D.P. Switch,neon			31.7 x 49 x 16.3			13000	

## 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)



**Technical Helpline: 0845 194 7584**  
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 over-tighten. 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.

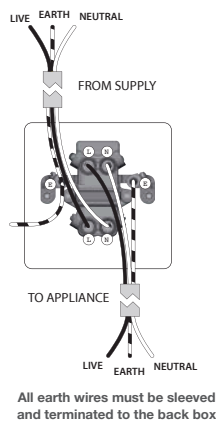
The product is now ready for use.

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

### 20 Amp Switch Without Flex Outlet

This product has no cable entry, and should only be used for "hard" wired installations.

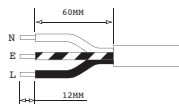
Connect the cables as shown in the diagram.



### 20 Amp Switch With Flex Outlet

The flex outlet clamp arrangement comprises a fixed portion integral to the main unit and a movable cord grip clamp portion, held in place by a screwed fixing. The appliance cable exits through the large round aperture on the front face of the unit.

1. Prepare the flexible cable from the appliance as shown in the diagram below.\*



\*NOTE - The appliance cable may be either 3 core (with earth as shown in diagram) of larger size diameter or 2 core (without earth) of smaller size diameter.

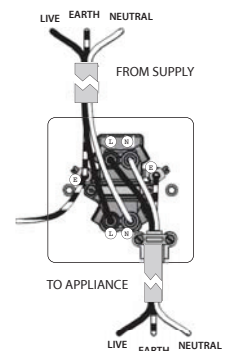
2. Loosen the cord grip screw fixing and pass cable through aperture from front face.
3. Connect wires as shown in diagram.
4. Adjust protrusion of cable in clamp so that wires are not taugt and then fully tighten clamp to securely grip cable outer sheath. DO NOT clamp on individual wires.

### Important

The cable **MUST** be clamped tight on outer sheath to ensure the cable connections are not damaged or disconnected through subsequent movement of cable or appliance.

### Flex Outlet Method – Plastic Frontlates

Connect the cables as shown in the diagram.



All earth wires must be sleeved and terminated to the back box