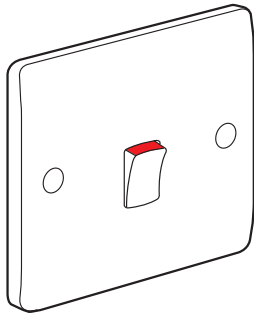
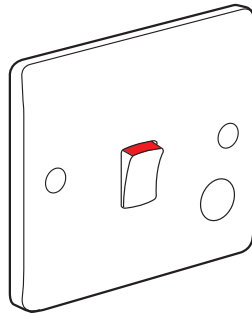


**Synergy™**  
**20 A DP Control switch**

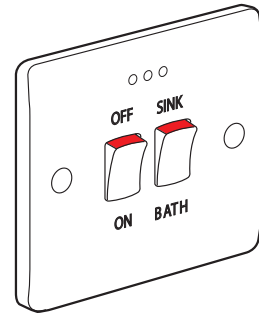
Cat. No(s): 7 300 10/12/14/16/18 - 7 301 10/12/14/16



7 300 10



7 300 14



7 300 18

**1. USE**

Double pole switches for the control of fixed appliances eg immersion heaters. Versions available with frontal flex outlets and "power on" indicators.

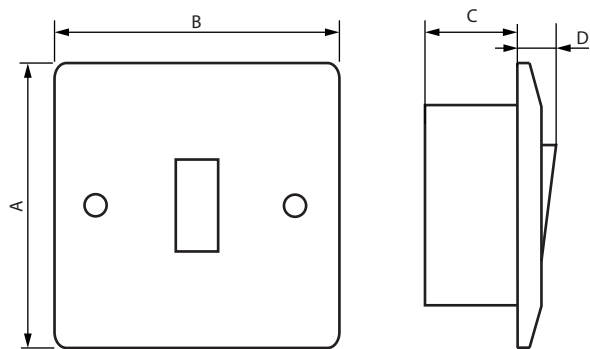
All products supplied with 2 x M 3.5 fixing screws and 2 thermoplastic screw caps. It is recommended that redundant top and bottom fixing lugs in metal back boxes are bent back to increase room for mechanisms and their attendant wiring.

For flush-mounting, back boxes to be min. 25 mm deep and back boxes to be 35 mm deep for extra wiring space.

**2. RANGE**

Description	Cat. N°	Characteristics	Weight (g)
20 A DP	7 300 10		93
20 A DP	7 300 14	With Flex Outlet	96
20 A DP	7 300 16	With Flex Outlet and power indicator	98
20 A DP	7 301 16	With Flex Outlet and power indicator marked "Water heater"	98
20 A DP	7 301 14	With Flex Outlet marked "Water heater"	96
20 A DP	7 300 12	With power indicator	95
20 A DP	7 301 10	Marked "Water heater"	93
20 A DP	7 301 12	With power indicator marked "Water heater"	95
20 A DP with 20 A 2 way switch	7 300 18	With power indicator marked "Sink/Bath"	81

**3. OVERALL DIMENSIONS (mm)**



A	B	C	D
86	86	22*	11.5

\* except for Cat. N° 7 300 18: 13.7 mm

**4. CONNECTION**

Terminal of terminals: with screws

Terminal capacity (L+N+E):

- Main: 3 x 2.5 mm<sup>2</sup> - 2 x 4 mm<sup>2</sup> - 1 x 6 mm<sup>2</sup>

- Load: up to 6 mm<sup>2</sup>

Recommended screwdriver size: 4 mm flat blade

Recommended terminal tightening torque: 0.5 Nm

**Flex outlet:**

- 12.5 mm Ø flex outlet orifice in front plate

- Cable clamp capable of restraining circular section cable to BS 6500 having 2 x 0.5 mm<sup>2</sup> section conductors.

## 5. TECHNICAL CHARACTERISTICS

### ■ 5.1 Mechanical characteristics

Impact tests: IK 01

Penetration by solid bodies/liquids: IP 2X

### ■ 5.2 Material characteristics

Front plate: Thermoset urea

Rocker: Polycarbonate

Screw caps: Polycarbonate

Mechanism housing: Polycarbonate/Polypropylene

Halogen free

UV Resistant

Self-extinguishing:

+ 960° C / 30 s for front plate

+ 850° C / 30 s for rocker and base

### ■ 5.3 Electrical characteristics

Voltage: 250 V~

Current: 20 A

Frequency: 50/60 Hz

Contact clearance > 3 mm

Maximum power on self ballasted lamp load (SBL, LED, CFL Compact Fluorescent Lamp): 250 W

### ■ 5.4 Climatic characteristics

Storage temperature: - 10° C to + 70° C

Use temperature: - 5° C to + 35° C

## 6. CLEANING

Clean the surface with a cloth.

Do not use acetone, tar-removing cleaning agents or trichloroethylene.

Resistance to the following cleaning substances:

Hexane (EN 60669-1), Methylated spirit, Soapy water, Diluted ammonia, Diluted pure bleach 10%, Glass cleaning product.

**Caution:** An initial test is required for the use of other special maintenance products.

## 7. STANDARDS AND APPROVALS

Compliance with standards of installation and manufacturing.

See e.catalogue.