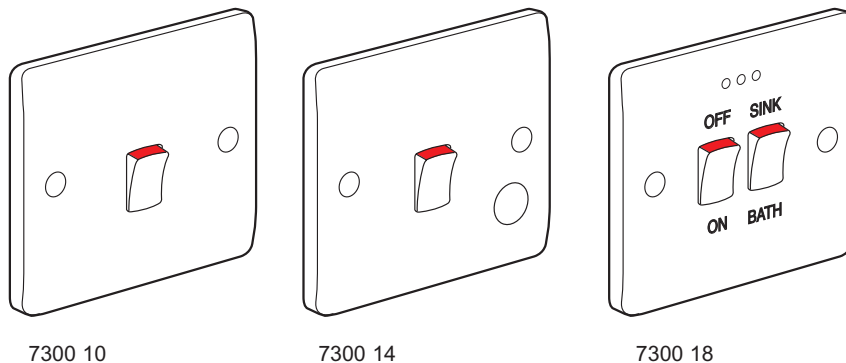


Synergy®
20A DP Control switch

Cat. No(s) : 7300 10/12/14/16/18 - 7301 10/12/14/16



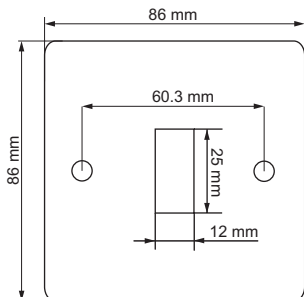
1. APPLICATIONS

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

2. WHITE RANGE

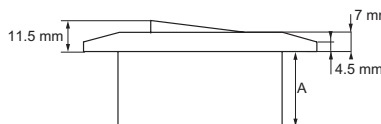
Description	Cat. N°	Characteristics	Weight (g)
20A DP	7300 10		93
20A DP	7300 14	With Flex Outlet	96
20A DP	7300 16	With Flex Outlet and power indicator	98
20A DP	7301 16	With Flex Outlet and power indicator marked "Water heater"	98
20A DP	7301 14	With Flex Outlet marked "Water heater"	96
20A DP	7300 12	With power indicator	95
20A DP	7301 10	marked "Water heater"	93
20A DP	7301 12	With power indicator marked "Water heater"	95
20A DP with 20A 2 way Switch	7300 18	With power indicator marked "Sink bath"	81

3. DIMENSIONS (mm)



Flex outlet conversion accessory Cat. N° 7300 53 enables non-flex outlet variants to be upgraded. Flex exits the frame vertically downwards.

3. DIMENSIONS (mm) (continued)



Dimensions Cat. N° 7300 53
 86 x 86 x 13.5 depth
 weight : 40 grammes (excluding screws)
 Product supplied with 2 off M3.5 x 30 mm fixing screws

A = 22 mm except for Cat. N° 7300 18 : 13.7 mm

4. INSTALLATION

Flush mounting :

- All products supplied with 2 x M 3.5 fixing screws and 2 thermo-plastic screw covers. 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.
- 25 mm minimum depth back boxes suitable for 20 A DP control switches
- 35 mm recommended depth back boxes for extra wiring space.

Surface mounting :

- 1 gang 35 mm deep pattress Cat. N° 7364 06.

5. CONNECTION

5.1 Terminals

- Terminal capacity (L+N+E):

Mains	Load
3 x 2.5 mm ²	3 x 2.5 mm ²
2 x 4 mm ²	2 x 4 mm ²
2 x 6 mm ²	1 x 6 mm ²

- Cat. N° 7300 18

Mains	Load
3 x 2.5 mm ²	3 x 2.5 mm ²
2 x 4 mm ²	2 x 4 mm ²
1 x 6 mm ²	1 x 6 mm ²

- Recommended screwdriver size : 4 mm flat blade
- Recommended terminal tightening torque : 0.5 Nm

5.2 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 mm² section conductors.

6. GENERAL CHARACTERISTICS

6.1 Mechanical characteristics

- IP rating : IP2X
- IK rating : IK01

6.2 Electrical characteristics

- Minimum 3 mm contact separation

6.3 Material properties

- Base : self-extinguishing at 850° C / 30 s
- Frontplate : thermoset urea self-extinguishing at 960° C / 30 s
- Rocker : polycarbonate, self-extinguishing at 850° C / 30
- Fixing screw concealment plugs : polycarbonate

6.4 Resistance to chemicals

Resistance to chemical agents	PC	UREA
Acetone	n	l
Acetic acid 10 %	s	-
Hydrochloric acid	s (20%)	n
Citric acid 10 %	s	-
Hydrofluoric acid 4 %	s	l
Lactic acid 10 %	s	-
Nitric acid 10 %	s	-
Phosphoric acid 85 %	l	n
Sulphuric acid 25 %	s	n
Tannic acid	n	-
Cleaning agents containing traces of ammonia quaternaires	n	s
Ethyl alcohol	s	l
Methyl alcohol (methanol)	l	l
Ammonia	n	l
Aniline	n	l
Benzene	n	l
Lime	n	l
Liquid chlorine	n	-
Barium chloride	s	-
Chlorinated lime 20 %	s	-
Javel water	s	-
Seawater	s	-
Oil	s	s
Milk	s	-
Fuel	s	l
Petroleum oil, petroleum ether	l	l
Caustic soda	n (40%)	s (25%)
Sugar	s	-
Toluene	n	-
Trichlorethylene	n	l
Urine	s	-
Wine	s	-

s = satisfactory
 l = limit
 n = not satisfactory

6.5 Functional limitations

- Products may be stored at temperatures between - 5° C and + 40° C
- Maximum average ambient temperature in any 24 hour period not to exceed 25° C.

7. MAINTENANCE

The use of abrasive or solvent-based cleaners is strictly forbidden as it could result in irreparable damage to the products external surfaces. We recommend the use of a soft, slightly damp cloth to remove fingerprints, etc...

8. ACCESSORIES

- LED "power on" upgrade pack, Cat. N° 7300 58* (10 per pack)
- Flex outlet conversion accessory Cat. N° 7300 53 flex exits accessory vertically downwards.
- Spare faceplate screw concealment plugs, Cat. N° 7301 53 (pack of 50).

***Note : Ensure that LED's are either disconnected or DP switch is in the "off" position when performing installation tests otherwise irreparable damage to LED's will occur.**

9. CONFORMITY TO STANDARDS

Conforms to BS EN 60669 - 1