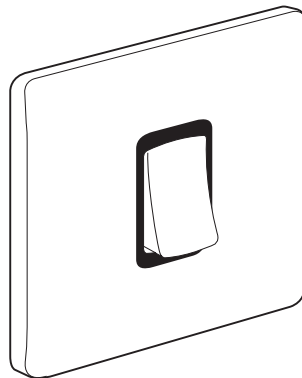


Synergy®
Modern nickel
Modern silver

Modern nickel Cat. No(s):
 7310 00/01/02/03/04/05/07/09/10/12/14/16/19/22/23/26/29/30/
 31/32/33/34/35/36/37/40/41/42/43/46/47/51/52/54/56/57/59/60/
 61/62/63/65/68/69/70/71/72/73/75/77/80/81/84/85/86/88/89/90/
 91/92/93/94/95/96/97/98
 7311 01/02/03/31/32/33/43/46/47/49

Modern silver Cat. No(s):
 7312 00/01/02/03/04/05/07/09/10/12/14/16/19/22/23/26/29/30/
 31/32/33/34/35/36/37/40/41/42/43/46/47/50/51/52/54/56/57/59/
 60/61/62/63/65/68/69/70/71/72/73/75/77/80/81/84/85/86/88/89/
 90/91/92/93/94/95/96/97/98
 7313 01/02/03/31/32/33/43/46/47/49



7310 00

1. APPLICATIONS

Premium level range has fully earthed clip-on faceplates and is suitable for flush mounting only. Tough satin lacquer surface treatment conveys hard-wearing properties to die-cast faceplates and rockers. In addition to high specification new build applications, Synergy Modern is ideal for upgrades to existing installations as the faceplates are slightly oversize and hence cover up imperfections when old switches are removed.

2. FINISHES AVAILABLE

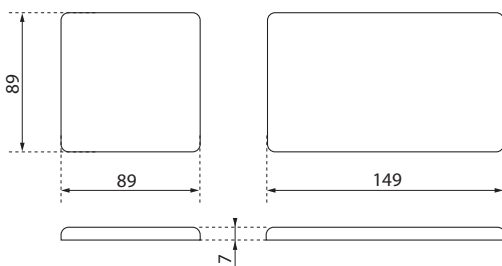
Modern nickel : Copper followed by nickel pre-treatment followed by electroplating in a satin nickel rich solution. Final treatment comprises an application of satin lacquer.

Modern silver : Copper followed by nickel pre-treatment. Electroplating produces a satin chrome finish on to which a tough satin lacquer is applied.

Both surfaces are resistant to fingerprints.

Fixing screws not visible, hence not colour-matched.

3. DIMENSIONS (mm)



Approximative weights or Synergy Modern product can be calculated as follows:
 Additional weight to be added to the equivalent white product's weight:
 1 gang : + 100 grammes
 2 gang : + 140 grammes

4. INSTALLATION

Flush mounting: It is recommended that redundant top and bottom fixing lugs are bent back to increase room for mechanisms and their attendant wiring.

We recommend that the following guidelines are adhered to when selecting suitable depth back boxes

25mm: 10AX switches.

35mm: Socket outlets, connection units, 20A DP switches, data, TV and telephone sockets.

47mm: 45A DP control switches, cooker control units and shaver sockets.

Note : 10AX switches may be mounted in 16 mm plaster depth back boxes providing they are set back 3-4 mm in the plaster.

It is not necessary to use a gasket between the faceplate and the wall when installing on newly plastered walls although we recommend that the drying process is fully completed prior to installation.

5. TERMINALS AND CONNECTIONS

All aspects of conductor terminations are identical to the equivalent Synergy White product reference. Terminal torque settings, conductor strip-back and screwdriver sizes are therefore constant for a given product type.

Earth terminals are provided on 10AX switches, dimmers etc... as a means of earthing the metal faceplate to the installation earthing. ON NO ACCOUNT SHOULD THIS CONNECTION BE OMITTED.

Synergy®
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Modern silver Cat. No(s):
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90/91/92/93/94/95/96/97/98
7313 01/02/03/31/32/33/43/46/47/49

6. MATERIALS

Rockers (10AX switches, socket outlets, FCU's and 20A DP control switches): Die-cast zinc alloy
Rockers (all other mechanism): polycarbonate
Insert moulding visible from the front aspect: polycarbonate

7. GENERAL CHARACTERISTICS

7.1 Electrical characteristics

Identical to the equivalent product reference from the Synergy White range. If LED power-on indicators are desired, the dedicated LED equipped product variant must be selected at the outset since only this has the requisite three apertures in the faceplate.

7.2 Mechanical characteristics

- IP rating: IP2X
- IK rating: IK01

7.3 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

7. GENERAL CHARACTERISTICS (continued)

7.4 Functional limitations

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

8. MAINTENANCE

The use of abrasives 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...