Technical Data

10 Amp 10 AX Switches

Brief product description:

BG's Nexus range of plate switches have been designed to perform at 10AX inductive loads.

The subtle design will blend with any décor - suitable for domestic or commercial installations.The Fan Isolator switch has a triple pole switching design, however can be used for double pole applications if required.

Features:

- Fixed integrated plastic gasket to protect metal edges from moisture
- Stylish modern profile
- Available in 4 metal finishes
- Colour matched fixing screws
- Backed out captive screws for easy installation
- 10 Amp, 10AX inductive rated

Product Images

Black Nickel

NBN12/NBN13 NBN15 NBN42 NBN43 NBN44

Polished Chrome

NPC12/NPC13 NPC15 NPC42 NPC43 NPC44

Polished Brass

NPB12/NPB13 NPB15 NPB42 NPB43 NPC44

Brushed Steel

NBS12/NBS13 NBS15 NBS42 NBS43 NPC44

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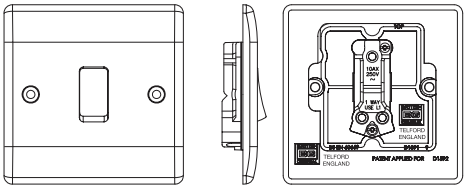
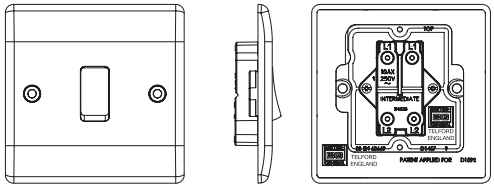
Technical Specifications

Standard(s)	BS EN 60669-1
Rating	10 Amp, 250V~(10AX – no derating for inductive or fluorescent loads)
Contact Gap	3.0mm minimum
Terminal Capacity	4 x 1.0mm² 4 x 1.5mm² 2 x 2.5mm² 1 x 4.0mm²
RoHS Directive	No
WEEE Directive	No
Mounting Box Depth(Min)	16mm (Nxx12, Nxx13, Nxx15, Nxx42, Nxx43 products)
	25mm (Nxx44 products)
Fixing Centres	60.3mm (Nxx12, Nxx13, Nxx15, Nxx42, Nxx43 products)
	120.6mm (Nxx44 products)
Size	86mm x 86mm x 21.2mm (Nxx12, Nxx13, Nxx15, Nxx42, Nxx43 products)
	146.5mm x 86mm x 21.2mm (Nxx44 products)

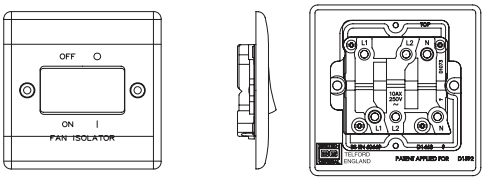
Line Diagrams



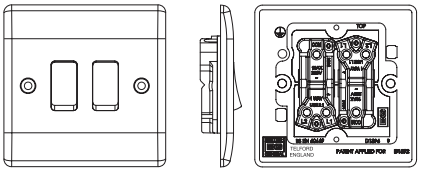
Nxx12



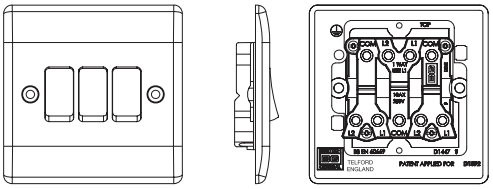
Nxx13



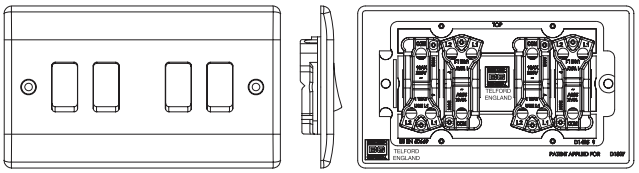
Nxx15



Nxx42



Nxx43



Nxx44

Weights & Dimensions

Cat No.	Description	Pack Quantity			Dimension (W x L x H) cm			Weight (g)			CMB (m^3)
		Each	Inner Box	Outer Box	Product	Inner Box	Outer Box	Each	Inner Box	Outer Box	Outer Box
Nxx12	10AX 1G,2W	1	5	50		18 x 19 x 12	36.8 x 61 x 20			11300	0.044896
Nxx13	10AX Intermediate	1	5	50		18 x 19 x 12	36.8 x 61 x 20			11500	0.044896
Nxx15	10AX Fan Isolator	1	5	50		18 x 19 x 12	36.8 x 61 x 20			11800	0.044896
Nxx42	10AX 2G,2W	1	5	50		18 x 19 x 12	36.8 x 61 x 20			12000	0.044896
Nxx43	10AX 3G,2W	1	5	50		18 x 19 x 12	36.8 x 61 x 20			14000	0.044896
Nxx44	10AX 4G,2W	1	5	50		18 x 24.5 x 12	36.8 x 61 x 255			10000	0.0572424

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Packaging Information

Cat No.	Description	Barcode			Cat No.	Description	Barcode		
		Individual	Inner Box	Outer Box			Individual	Inner Box	Outer Box
NBS12	10AX 1G,2W	5050765018821	5050765019194	5050765019569	NBS42	10AX 2G,2W	5050765018852	5050765019224	5050765019590
NPC12	10AX 1G,2W	5050765019934	5050765020305	5050765020671	NPC42	10AX 2G,2W	5050765019965	5050765020336	5050765020701
NPB12	10AX 1G,2W	5050765021043	5050765021418	5050765021784	NPB42	10AX 2G,2W	5050765021074	5050765021449	5050765021814
NBN12	10AX 1G,2W	5050765023139	5050765023504	5050765023870	NBN42	10AX 2G,2W	5050765023160	5050765023535	5050765023900
NBS13	10AX Intermediate	5050765018838	5050765019200	5050765019576	NBS43	10AX 3G,2W	5050765018869	5050765019231	5050765019606
NPC13	10AX Intermediate	5050765019941	5050765020312	5050765020688	NPC43	10AX 3G,2W	5050765019972	5050765020343	5050765020718
NPB13	10AX Intermediate	5050765021050	5050765021425	5050765021791	NPB43	10AX 3G,2W	5050765021081	5050765021456	5050765021821
NBN13	10AX Intermediate	5050765023146	5050765023511	5050765023887	NBN43	10AX 3G,2W	5050765023177	5050765023542	5050765023917
NBS15	10AX Fan Isolator	5050765018845	5050765019217	5050765019583	NBS44	10AX 4G,2W	5050765018876	5050765019248	5050765019613
NPC15	10AX Fan Isolator	5050765019958	5050765020329	5050765020695	NPC44	10AX 4G,2W	5050765019989	5050765020350	5050765020725
NPB15	10AX Fan Isolator	5050765021067	5050765021432	5050765021807	NPB44	10AX 4G,2W	5050765021098	5050765021463	5050765021838
NBN15	10AX Fan Isolator	5050765023153	5050765023528	5050765023894	NBN44	10AX 4G,2W	5050765023184	5050765023559	5050765023924

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 Sleeving

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 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.

Decorative Front Plate Fixing

Fixing method varies depending on which product range is supplied. Always ensure wall surface is reasonably flat and smooth, with no bumps or projections.

Metal Front plates WITH screw fixing holes. These products comprise main unit with integral front plate and rear gasket. Fix unit to back box using two fixing screws supplied.

Front plates WITHOUT screw fixing holes. These products comprise main unit with integral gasket, and front plate as separate item. Fix unit to back box using two fixing screws supplied.

Clip front plate onto main assembly, ensuring screwdriver notch is located bottom right hand corner. To remove plate, place medium size flat bladed screwdriver in notch and lever off against gasket.

For all Decorative Plates - It is essential the gasket is fitted between product and wall, to reduce possibility of discolouration of front plate edges due to natural moisture in some wall finishes.

To keep the finish of this product, wipe over with soft cloth periodically.

All Decorative products MUST have an earth connection between the front-plate and back box

To maintain the high quality appearance of decorative finish switches and sockets, BG Electricals recommend the use of a soft cloth periodically to clean the front face. When installing a decorative product please ensure that the wall is decorated, finished and free of moisture prior to installation. Please note that it can take several weeks for the chemicals in paint or wallpaper paste to become inert. Before this time there is a danger that they will react with the product if it has a metal faceplate.

BG recommends avoiding using, but not restricted to, the substances from becoming in contact with the decorative metal front-plates when cleaning or decorating;

- Adhesive tape, including masking tape
- Solvents
- White spirit
- Multi surface cleaners
- Industrial multipurpose cleaning wipes
- Wet wipes

Using these items like those listed above may cause a degrading effect to the front-plates lacquer/plated finish, although the function will remain unaffected.

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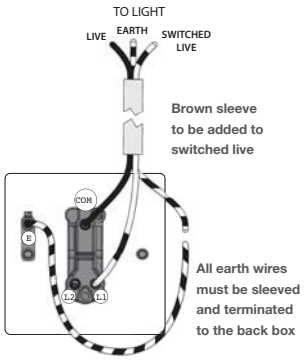
Installation Information

One Way Switching

One way switching is used in installations that require just one switch to control a light (or circuit) i.e. on or off.

A two-way switch can be used for one-way connection, use COM and L1 terminals.

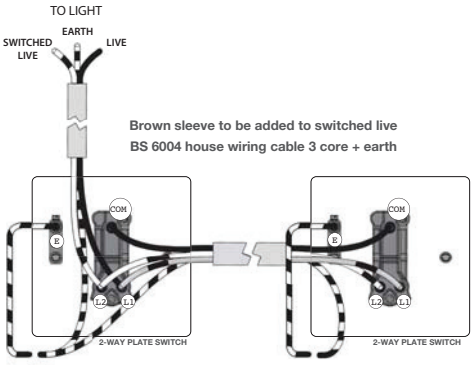
For multiple gang switches (2, 3, 4 & 6) repeat wiring method for each switch.



Two Way Switching

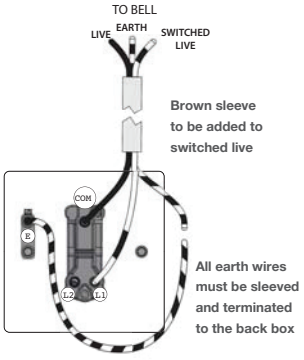
Two way switching is used where a light is controlled by two switches.

For multiple gang switches (2, 3, 4 & 6) repeat wiring method for each switch.



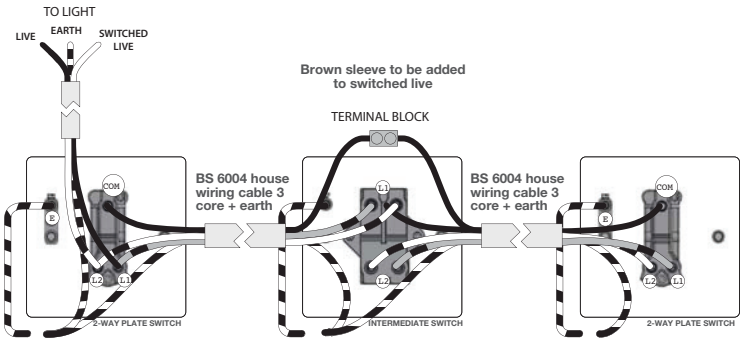
Bell Push

The bell push is a one way switch with a retractive rocker switch. Before installing, ensure a bell unit is suitable for supply voltage.



Intermediate Switching

Intermediate switching is used in installations that require three or more switches to control a light, and should be used together with two 2-way switches.

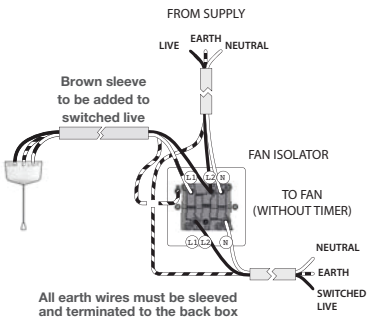
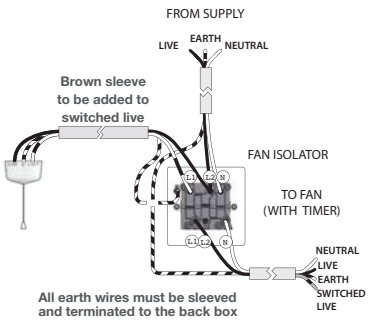
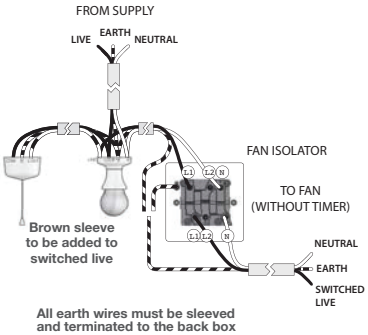
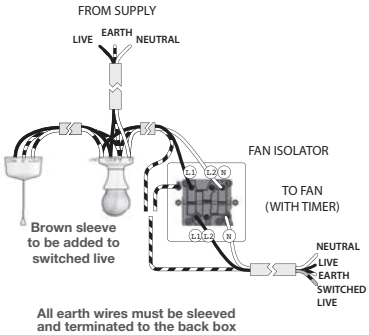


Fan Isolator - 3 Pole Switch

During repair or installation or routine maintenance the power supply to the fan unit must be disconnected. This isolating switch can be installed as shown in the diagrams to enable the remainder of the circuit to remain live.

These instructions should be read in conjucntion with the instructions supplied with the fan unit and the latest IEE Wiring Regulations.

Please follow the appropriate wiring diagram below for your particular installation.

Important

The continuity of the protective conductors must be maintaied. The isolator switch shall be so situated as to be inacessible to a person using a fixed bath or shower.