



# Technical Data

## Intelligent Dimmer Switches - Push Type

### Brief product description:

Nexus metal dimmer switches have a sleek and slim design with softly rounded corners that will compliment any interior décor - suitable for domestic or commercial installations.

### Features:

- Intelligent trailing edge dimmers have a lower minimum load than leading edge dimmers, offering greater compatibility for LED, Halogen, CFL and incandescent lamps
- Soft start brings the lights to a set level in around 1 second and extends the life of lamps
- Overload protection prevents failure if you mistakenly connect your dimmer to too many lights or transformers, and will turn the lights down or off until the load is corrected
- Smooth dimming control
- Silent operation - no noise when dimming
- Support for lower wattage lamps eliminates flicker
- Rotary dimmer control with push on/off function
- Fixed integrated plastic gasket to protect metal edges from moisture
- Stylish modern profile with colour matched fixing screws
- Minimum mounting box depth: 25mm

### Product Images



NBN81



NBS82



NPC83



NPC84

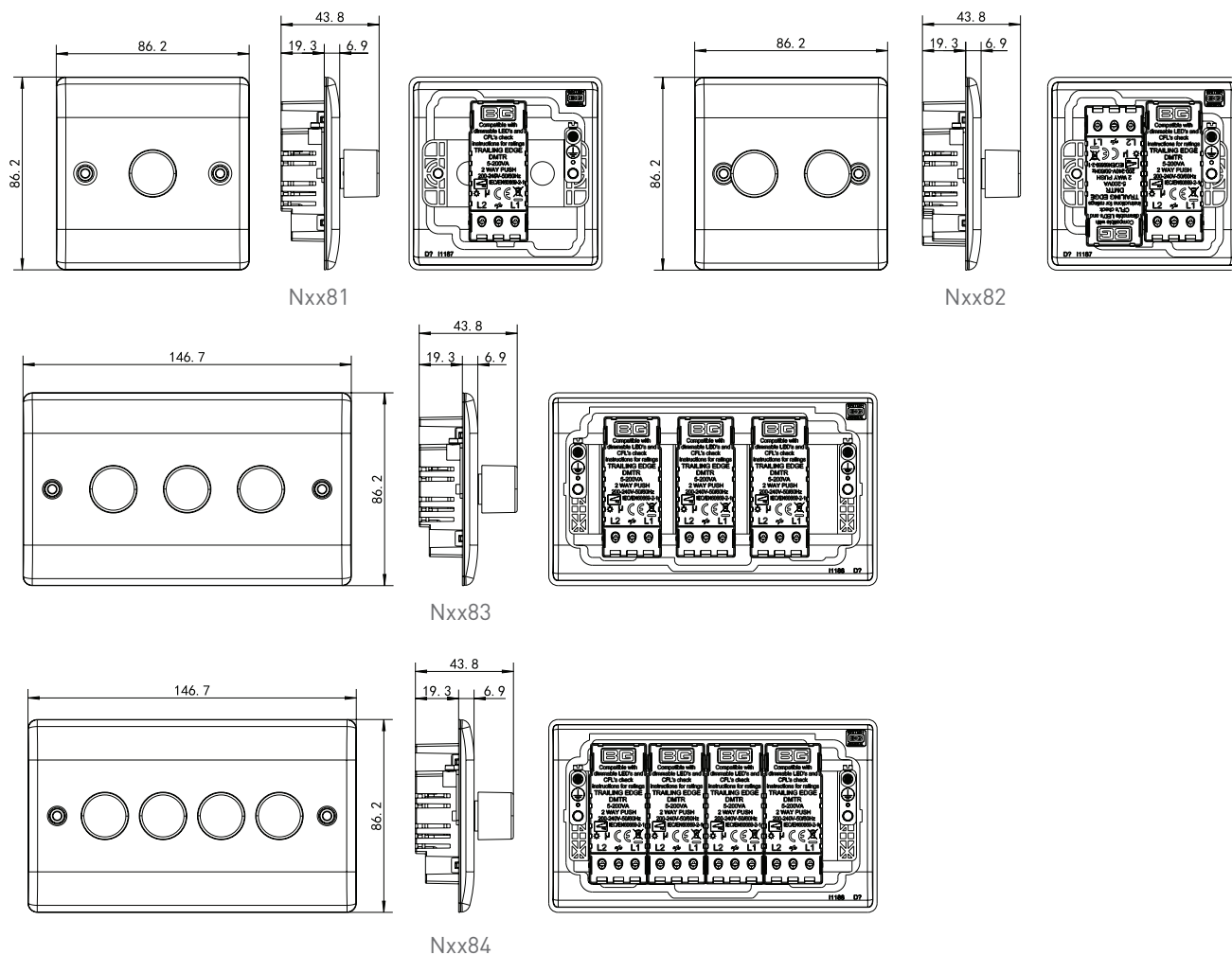


# Intelligent Dimmer Switches - Push Type

## Technical Specifications

|                                         |                                                                    |                                                                                                                                                                         |
|-----------------------------------------|--------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standard(s)                             | BS EN 60669-2-1                                                    |   |
| Asta Approval                           | License Number 1019                                                |                                                                                                                                                                         |
| Voltage                                 | 200-250V AC                                                        |                                                                                                                                                                         |
| <b>Load Rating (Max/Min per module)</b> |                                                                    |                                                                                                                                                                         |
| Dimmable LED                            | 5-100W                                                             |                                                                                                                                                                         |
| Tungsten/Incandescent                   | 5-200W                                                             |                                                                                                                                                                         |
| Halogen                                 | 20-200W                                                            |                                                                                                                                                                         |
| Dimmable Compact Flourescent (CFL)      | 5-100W                                                             |                                                                                                                                                                         |
| Type                                    | Trailing Edge                                                      |                                                                                                                                                                         |
| Terminal Capacity                       | 3 x 1mm <sup>2</sup> 2 x 1.5mm <sup>2</sup> 1 x 2.5mm <sup>2</sup> |                                                                                                                                                                         |
| RoHS Directive                          | Yes                                                                |                                                                                                                                                                         |
| WEEE Directive                          | Yes                                                                |                                                                                                                                                                         |
| Mounting Box Depth (Min)                | 25mm                                                               |                                                                                                                                                                         |
| Fixing Centres                          | 60.3mm (Nxx81 and Nxx82 products)                                  |                                                                                                                                                                         |
|                                         | 120.6mm (Nxx83 and Nxx84 products)                                 |                                                                                                                                                                         |
| Size                                    | 86mm x 86mm x 44.3mm (Nxx81 and Nxx82 products)                    |                                                                                                                                                                         |
|                                         | 86mm x 146mm x 44.3mm (Nxx83 and Nxx84 products)                   |                                                                                                                                                                         |

## Line Diagrams





# Intelligent Dimmer Switches - Push Type

## 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     |
| NAB81   | 1G 2 Way    | Eco Blister    | BG Printed Box | BG Brown Carton | 1             | 5         | 50        | 5050765044424 | 5050765166478 | 5050765168977 |
| NBI81   | 1G 2 Way    | Eco Blister    | BG Printed Box | BG Brown Carton | 1             | 5         | 50        | 5050765044585 | 5050765166874 | 5050765169264 |
| NBN81   | 1G 2 Way    | Eco Blister    | BG Printed Box | BG Brown Carton | 1             | 5         | 50        | 5050765023429 | 5050765023795 | 5050765024167 |
| NBS81   | 1G 2 Way    | Eco Blister    | BG Printed Box | BG Brown Carton | 1             | 5         | 50        | 5050765019118 | 5050765019484 | 5050765169622 |
| NMB81   | 1G 2 Way    | Eco Blister    | BG Printed Box | BG Brown Carton | 1             | 5         | 50        | 5050765200233 | 5050765167956 | 5050765170123 |
| NPC81   | 1G 2 Way    | Eco Blister    | BG Printed Box | BG Brown Carton | 1             | 5         | 50        | 5050765020220 | 5050765020596 | 5050765020961 |
| NPR81   | 1G 2 Way    | Eco Blister    | BG Printed Box | BG Brown Carton | 1             | 5         | 50        | 5050765200097 | 5050765168595 | 5050765170673 |
| NAB82   | 2G 2 Way    | Eco Blister    | BG Printed Box | BG Brown Carton | 1             | 5         | 50        | 5050765044431 | 5050765166485 | 5050765168984 |
| NBI82   | 2G 2 Way    | Eco Blister    | BG Printed Box | BG Brown Carton | 1             | 5         | 50        | 5050765044592 | 5050765166881 | 5050765169271 |
| NBN82   | 2G 2 Way    | Eco Blister    | BG Printed Box | BG Brown Carton | 1             | 5         | 50        | 5050765023436 | 5050765023801 | 5050765024174 |
| NBS82   | 2G 2 Way    | Eco Blister    | BG Printed Box | BG Brown Carton | 1             | 5         | 50        | 5050765145602 | 5050765019491 | 5050765019866 |
| NMB82   | 2G 2 Way    | Eco Blister    | BG Printed Box | BG Brown Carton | 1             | 5         | 50        | 5050765200240 | 5050765167963 | 5050765170130 |
| NPC82   | 2G 2 Way    | Eco Blister    | BG Printed Box | BG Brown Carton | 1             | 5         | 50        | 5050765020237 | 5050765020602 | 5050765020978 |
| NPR82   | 2G 2 Way    | Eco Blister    | BG Printed Box | BG Brown Carton | 1             | 5         | 50        | 5050765200103 | 5050765168601 | 5050765170680 |
| NBN83   | 3G 2 Way    | Eco Blister    | BG Printed Box | BG Brown Carton | 1             | 5         | 50        | 5050765023443 | 5050765023818 | 5050765024181 |
| NBS83   | 3G 2 Way    | Eco Blister    | BG Printed Box | BG Brown Carton | 1             | 5         | 50        | 5050765019132 | 5050765019507 | 5050765019873 |
| NPC83   | 3G 2 Way    | Eco Blister    | BG Printed Box | BG Brown Carton | 1             | 5         | 50        | 5050765020244 | 5050765020619 | 5050765020985 |
| NBN84   | 4G 2 Way    | Eco Blister    | BG Printed Box | BG Brown Carton | 1             | 5         | 50        | 5050765023450 | 5050765023825 | 5050765024198 |
| NBS84   | 4G 2 Way    | Eco Blister    | BG Printed Box | BG Brown Carton | 1             | 5         | 50        | 5050765019149 | 5050765019514 | 5050765019880 |
| NPC84   | 4G 2 Way    | Eco Blister    | BG Printed Box | BG Brown Carton | 1             | 5         | 50        | 5050765020251 | 5050765020626 | 5050765020992 |

## Weights & Dimensions

| Cat No. | Description | Dimensions (H x W x D) cm |                    |                    | Weight (kg) |           |           | CBM (m <sup>3</sup> ) |
|---------|-------------|---------------------------|--------------------|--------------------|-------------|-----------|-----------|-----------------------|
|         |             | Product                   | Inner Box          | Outer Box          | Each        | Inner Box | Outer Box | Outer Box             |
| Nxx81   | 1G 2 Way    | 15.3 x 11.8 x 5           | 12.7 x 16.7 x 20.7 | 22.6 x 34.3 x 65.8 | 0.132       | 0.743     | 7.943     | 0.05101               |
| Nxx82   | 2G 2 Way    | 15.3 x 11.8 x 5           | 12.7 x 16.7 x 20.7 | 22.6 x 34.3 x 65.8 | 0.17        | 0.933     | 9.843     | 0.05101               |
| Nxx83   | 3G 2 Way    | 15.3 x 17.8 x 5           | 18.7 x 17 x 21.2   | 23.1 x 38.8 x 86.3 | 0.265       | 1.434     | 15.024    | 0.07735               |
| Nxx84   | 4G 2 Way    | 15.3 x 17.8 x 5           | 18.7 x 17 x 21.2   | 23.1 x 38.8 x 86.3 | 0.303       | 1.624     | 16.924    | 0.07735               |