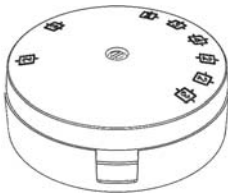




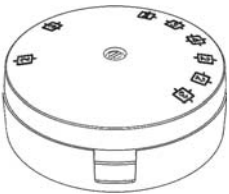
NEXUS

JUNCTION BOXES - SELECTIVE ENTRY

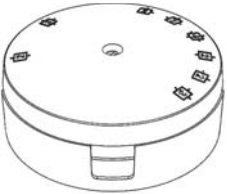
Product Images



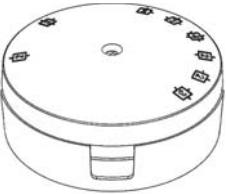
604



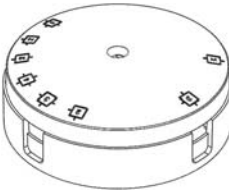
604W



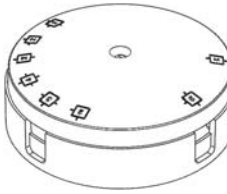
603



603W



606



606W

Brief Description of Products

Junction box with cable entries in the side wall that are selectable by alignment of symbols and text on the cover.

Features

- Captive cover fixing screw
- Slotted terminals allowing for unbroken ring wiring
- 4 Selective entries in side wall with knockouts allowing for apertures to be enlarged
- 4 knockouts in base
- Available in white and brown urea

| Technical Specifications (604, 604W products) |                 |
|-----------------------------------------------|-----------------|
| Standard(s)                                   | BS EN 60670     |
| Rating                                        | 30 Amp 250V~    |
| Terminal Capacity - L & N                     | 4 x 1.5mm²      |
| No. of cable entries per terminal             | 1               |
| No. of terminals                              | 4               |
| Covered by RoHS directive                     | No              |
| Covered by WEEE directive                     | No              |
| Size                                          | 80mm dia x 31mm |
| Fixing Centres                                | 50.8mm          |

| Technical Specifications (603, 603W products) |                   |
|-----------------------------------------------|-------------------|
| Standard(s)                                   | BS EN 60670       |
| Rating                                        | 20 Amp 250V~      |
| Terminal Capacity - L & N                     | 4 x 4.0mm²        |
| No. of cable entries per terminal             | 1                 |
| No. of terminals                              | 3                 |
| Covered by RoHS directive                     | No                |
| Covered by WEEE directive                     | No                |
| Size                                          | 89.5mm dia x 36mm |
| Fixing Centres                                | 50.8mm            |

| Technical Specifications (606, 606W products) |                 |
|-----------------------------------------------|-----------------|
| Standard(s)                                   | BS EN 60670     |
| Rating                                        | 20 Amp 250V~    |
| Terminal Capacity - L & N                     | 3 x 1.5mm²      |
| No. of cable entries per terminal             | 1               |
| No. of terminals                              | 6               |
| Covered by RoHS directive                     | No              |
| Covered by WEEE directive                     | No              |
| Size                                          | 88mm dia x 30mm |
| Fixing Centres                                | 50.8mm          |

| Line Diagrams |      |
|---------------|------|
| 604           | 604W |

| Packaging Information |                    | Packaging Type |                |           | Pack Quantity |           |           | Barcode    |                |                |
|-----------------------|--------------------|----------------|----------------|-----------|---------------|-----------|-----------|------------|----------------|----------------|
| Cat.No                | Description        | Product        | Inner Box      | Outer Box | Each          | Inner Box | Outer Box | Individual | Inner Box      | Outer Box      |
| 604                   | 20A, 4 TERMINAL    | New BG Packing | New BG Packing |           |               | 10        | 100       |            | 5021166 603299 | 5021166 603282 |
| 604W                  | 20A, 4 TERMINAL    | New BG Packing | New BG Packing |           |               | 10        | 100       |            | 5021166 603190 | 5021166 603183 |
| 603                   | 30A, 3 TERMINAL    | New BG Packing | New BG Packing |           |               | 10        | 100       |            | 5021166 604296 | 5021166 604289 |
| 603W                  | 30A, 3 TERMINAL    | New BG Packing | New BG Packing |           |               | 10        | 100       |            | 5021166 604197 | 5021166 604180 |
| 606                   | 20 AMP, 6 TERMINAL | Clameshell     |                |           | 1             | 10        | 100       |            | 5021166606283  | 5021166606290  |
| 604W                  | 20 AMP, 6 TERMINAL | Clameshell     |                |           | 1             | 10        | 100       |            | 5021166606191  | 5021166606184  |

| Weights and Dimensions |                    | Dimension ( W x L X H ) unit : cm |                   |                | Weight (g) |           |           | CBM (m³)   |           |           |
|------------------------|--------------------|-----------------------------------|-------------------|----------------|------------|-----------|-----------|------------|-----------|-----------|
| Cat.No                 | Description        | Product                           | Inner Box         | Outer Box      | Each       | Inner Box | Outer Box | Individual | Inner Box | Outer Box |
| 604                    | 20A, 4 TERMINAL    |                                   |                   |                |            |           |           |            |           |           |
| 604W                   | 20A, 4 TERMINAL    |                                   |                   |                |            |           |           |            |           |           |
| 603                    | 30A, 3 TERMINAL    |                                   |                   |                |            |           |           |            |           |           |
| 603W                   | 30A, 3 TERMINAL    |                                   |                   |                |            |           |           |            |           |           |
| 606                    | 20 AMP, 6 TERMINAL | 8.75 x 8.75 x 3.2                 | 16.2 x 18.2 x 9.5 | 33.5x49.5x19.5 | 148        | 96        | 760       |            |           |           |
| 604W                   | 20 AMP, 6 TERMINAL | 8.75 x 8.75 x 3.2                 | 16.2 x 18.2 x 9.5 | 33.5x49.5x19.5 | 148        | 96        | 760       |            |           |           |

# WIRING INSTRUCTIONS

## JUNCTION BOXES

TECHNICAL HELPLINE: 0800 169 5560

### 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).

**If in doubt consult a competent electrician.**

### JUNCTION BOX – GENERAL ADVICE

The terminals of Junction Boxes can be used for any polarity.

Remove the central screw and remove cover to expose terminals. In multi-terminal junction boxes, take care to use only one polarity in any one group of terminals.

Position the way the cable lies, so as to pass through one of the apertures in the side of the base.

For Selective Entry boxes selecting the apertures to be used by rotating the guide marked on the lid.

When cable installations are complete, position the cover so as to block off the cable entry apertures not used in the base and tighten the screw.

Alternatively for non-selective junction boxes the required apertures can be easily broken away using a pair of pliers and with minimal force. Clean edges to remove any sharp edges.

### Wire Identification – Twin & Earth Cable

Note - As from 1st April 2004 new colour codes for hard wire installations was introduced.

**EARTH = GREEN/YELLOW Sleeving**  
**BLACK (pre Apr 04) / BLUE (after Apr 04) = NEUTRAL**  
**RED (pre Apr 04) / BROWN (after Apr 04) = LIVE**

The ends of the individual conductors should have the insulation removed by approx. 10mm. Any bare earth conductors should be sleeved to within 10mm of the ends. (These details are for general information only and conductor lengths may need to be trimmed in certain installations).

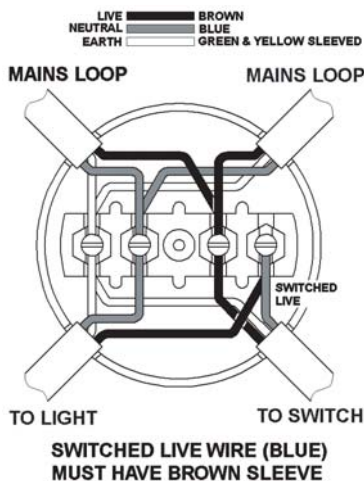
For lighting circuits, use sleeving of the appropriate 'live' colour to ensure clear identification of live connections.

See diagram for typical lighting circuit wiring using 4-way junction box.

To prevent fire hazard always use cable of the correct rating and type.

1.

### 4-WAY JUNCTION BOX – FOR LIGHTING CIRCUIT



2.

3.