

# Section 5

## Standard Range



## Standard Range

# Section 5

### Standard Range switches 230 - 240V a.c.



| Pack | Cat No. |  |
|------|---------|--|
|      |         | Switches are supplied with Cat. No. 770M unless otherwise specified. These are interchangeable with any 770, 769, 707 series mechanism. Available to PWD specification with rear-screwed plate mounting of mechanisms. |
|      |         | <b>Vertical standard size switches</b><br>Plate size: 70 x 114mm.<br>Mounting centres: 84mm  |
| 10   | 770/1   | 10A 1 gang standard size switch  |
| 10   | 770/2   | 10A 2 gang standard size switch  |
| 10   | 770/3   | 10A 3 gang standard size switch  |
| 10   | 770/4   | 10A 4 gang standard size switch  |
| 10   | 770/5   | 10A 5 gang standard size switch  |
| 10   | 770/6   | 10A 6 gang standard size switch  |



| Pack | Cat No. |   |
|------|---------|---|
|      |         | <b>Chemically resistant switches</b><br>Plate size: 70 x 114mm.<br>Mounting centres: 84mm<br>Identified by CH mark in teardrop on product |
| 1    | 770/0CH | Standard blank switch plate   |
| 10   | 770/1CH | 10A 1 gang standard switch  |
| 10   | 770/2CH | 10A 2 gang standard switch  |
| 1    | 770/3CH | 10A 3 gang standard switch  |



| Pack | Cat No. |  |
|------|---------|--|
|      |         | <b>Architrave switches</b><br>Plate size: 32mm wide. Suitable for horizontal or vertical mounting. |
| 10   | A770/1  | 10A 1 gang architrave switch. 68mm long. Suits 141 mounting block. Mounting centres: 57mm.         |
| 10   | A770/2  | 10A 2 gang architrave switch. 79mm long. Suits 156 mounting block. Mounting centres: 70mm.         |
| 10   | A770/3  | 10A 3 gang architrave switch. 105mm long. No mounting block available. Mounting centres: 95mm.     |
| 10   | A770/4  | 10A 4 gang architrave switch. 132mm long. No mounting block available. Mounting centres: 21mm.     |



| Pack | Cat No. |   |
|------|---------|---|
|      |         | <b>Deep plate surface-mount switches</b><br>Other 770, 769 or 707 series mechanisms are available. Please specify. Plate size: 34 x 81 x 21mm. Mounting centres: 60mm. Switch protrudes past mounting surface by 5mm. |
| 10   | 1A770   | 10A 1 gang single pole switch (770M mech.)  |
| 10   | 1A770P  | 10A 1 gang double pole switch, caravan type (769PM mech.)   |
| 5    | 2/770   | 10A 2 gang single pole switch (770M mech.)  |
| 5    | 2/770P  | 10A 2 gang double pole switch, caravan type (769PM mech.)   |



| Pack | Cat No. |  |
|------|---------|--|
|      |         | <b>Older style round surface-mount switches</b><br>Available to PWD specification with rear-screwed plate mounting of mechanisms. Not suitable for module mechanisms. Plate size: 51mm diameter x 21mm deep. |
| 10   | 65      | 10A old style surface switch, 1-2 way & loop   |



| Pack | Cat No. | Heavy duty rocker switches, range switch isolators  |
|------|---------|---|
|      |         | Special integral mechanism size 41 x 63 x 13mm deep from back of plate. Plate size: 70 x 114mm. Mounting centres: 84mm. |
| 10   | F1036/3 | 36A, 240V a.c. single pole switch with looping terminals  |
| 10   | F1036N  | 36A, 240V a.c. single pole switch with neon indicator   |
| 10   | F1036P  | 36A, 415V a.c. double pole switch & terminal for common neutral & earth.  |
| 10   | F1036PN | 36A, 415V a.c. double pole switch with neon indicator & terminal for common neutral & earth.                            |

| Pack | Cat No. | Booster relay switches for solar hot water systems, and load shedding.              |
|------|---------|---|
|      |         | Plate size: 70 x 114mm. Mounting centres: 84mm.                                     |
| 3    | 770REL1 | Current held hot water booster switch, neons for boost required, on, temp OK. 4.8kW |



| Pack | Cat No. | Relay switches pack for motion sensors  |
|------|---------|---|
|      |         | Relay pack. 2400W/1900VA max. Normally open. Not suitable for devices with solid state switching, such as traics. |
| 3    | 770REL8 |   |



| Pack | Cat No.     | Time delay switches,  |
|------|-------------|---|
| 3    | TX770/1RC   | 10A time delay switch, 3-wire. Push start/push restart, for remote mounting. 1 sec to 239 hrs time adjustment.                                |
| 3    | TX770/1RCNC | 10A time delay switch, 3-wire. Push start/push restart, for remote mounting. Normally-closed contacts. 1 sec to 239 hrs time adjustment.      |
| 3    | TX770/2RC   | 10A time delay switch, 3-wire. Push start/push stop, for remote mounting. 1 sec to 239 hrs time adjustment.                                   |
| 3    | TX770/2RCNC | 10A time delay switch, 3-wire. Push start/push stop, for remote mounting. Normally-closed contacts. 1 sec to 239 hrs time adjustment.         |
| 3    | TF770/1RC   | Fan time delay switch, 3, 10 & 20 min (approx) time adjustment, for remote mounting.  |
| 1    | TD170/1     | Weatherproof 2-wire time delay switch, 2.5A: 1, 3 & 10 min (approx) time adjustment. Replaces pneumatic type switches used in stairwells etc. |

| Pack | Cat No.   | KeyLock switch, 10A  |
|------|-----------|--|
|      |           | Plate size: 70 x 114mm. Mounting centres: 84mm. For common keys, add CK to code if mechanism required eg 770/1KLICK. |
| 10   | 770/1KLI  | KeyLock switch, 10A, key removable in 'on' position  |
| 10   | 770/1KLO  | KeyLock switch, 10A, key removable in 'off' position   |
| 10   | 770/1KLIO | KeyLock switch, 10A, key removable in 'on' or 'off' positions  |



| Pack | Cat No. | <b>Rectangle cord-pull ceiling switches, flush mounting</b><br>Plate size: 114 x 70mm.<br>Mounting centres: 84mm.<br>Cut-out 70 x 48 x 35mm depth from back of plate. Supplied with clear shroud. |
|------|---------|---|
| 10   | 600     | 10A flush cord-pull ceiling switch. (770 mech).   |
| 10   | 600N    | 10A flush cord-pull ceiling switch with neon. (770 mech).   |
| 10   | 600X    | 15A flush cord-pull ceiling switch, momentary contact, changeover (770XM mech).   |



| Pack | Cat No. | <b>Round cord-pull ceiling switches, surface mounting</b><br>Plate size: 73mm diameter. Mounting centres: 50mm. Supplied with clear rear cover. |
|------|---------|---|
| 10   | 601     | 10A surface mounting cord-pull ceiling switch. (770 mech).  |
| 10   | 601X    | 15A surface mounting cord-pull ceiling switch, momentary contact. (770XM mech).   |



| Pack | Cat No. | <b>KeyTag switches</b><br>Plate size: 70 x 114mm.<br>Mounting centres: 84mm. Available in white only. Supplied with Cat. No. 770/20KTM switches inside pockets, Cat. No. 707M neons (opal in pocket, red outside) Cat. No. 770M switches outside pockets, and Cat. No. 770T3 blank tag. The KeyTag mechanisms supplied are interchangeable with other mechs detailed below. |
|------|---------|---|
| 10   | 770KT1  | 2 x 20A switches & neon in base pocket  |
| 10   | 770KT2  | 2 x 20A switches & neon in base pocket, 10A independent switch above  |
| 10   | 770KT3  | 2 x 20A switches & neon in base pocket, 10A independent switch & neon above   |
| 10   | 770KT4  | 3 x 20A switches in base pocket   |
| 10   | 770KT5  | 3 x 20A switches in base pocket, 10A independent switch above   |
| 10   | 770KT8  | 2 x 20A switches & neon in top pocket, 10A independent switch below   |
| 10   | 770KT10 | 3 x 20A switches in top pocket  |
| 10   | 770KT11 | 3 x 20A switches in top pocket, 10A independent switch below  |
| 10   | 770KT13 | 3 x 20A switches & neon in base pocket  |
| 10   | 770KT14 | 4 x 20A switches in base pocket   |
| 10   | 770KT16 | 4 x 20A switches in top pocket  |
| 10   | 770T3   | <b>KeyTags</b><br>KeyTag, 100mm long, with removable insert   |

## Standard Range powerpoints 230 - 240V a.c.



| Pack | Cat No.  | Single powerpoints<br>Plate size: 114 x 70mm.<br>Mounting centres: 84mm          |
|------|----------|--|
| 10   | 787      | 10A single powerpoint  |
| 10   | 787IDCL  | 10A single powerpoint with<br>Cat. No. 800/2CL blanking insert<br>with clear cap |
| 10   | 787S     | 10A single powerpoint with safety<br>shutter                                     |
| 10   | 787NS    | 10A single powerpoint with neon<br>& safety shutter                              |
| 10   | 787R     | 10A single powerpoint with round<br>earth  |
| 10   | 787/15   | 15A single powerpoint  |
| 10   | 787/15NS | 15A single powerpoint with neon<br>& safety shutter                              |
| 10   | 787/20   | 20A single powerpoint  |
| 10   | 787/25   | 25A single powerpoint  |
| 10   | 787/32   | 32A single powerpoint  |



| Pack | Cat No. | Single powerpoint with extra switch<br>Plate size: 114 x 70mm. Mounting<br>centres: 84mm. Also available in 15A<br>powerpoint. To order insert/15 as<br>follows: 787/15X, 787/15XS |
|------|---------|--|
| 10   | 787X    | 10A single powerpoint with<br>extra switch   |
| 10   | 787XS   | 10A single powerpoint with extra<br>switch & safety shutter  |
| 10   | 787XNS  | 10A single powerpoint with extra<br>switch, neon & safety shutter  |



| Pack | Cat No. | Single powerpoints with 2 extra<br>switches<br>Plate size: 114 x 70mm.<br>Mounting centres 84mm |
|------|---------|---|
| 10   | 787/2X  | 10A single powerpoint with 2 extra<br>switches  |



| Pack | Cat No. | Double pole single powerpoints<br>Plate size: 114 x 70mm. Mounting<br>centres: 84mm. Supplied with Cat.<br>No. 769PM mechanism. |
|------|---------|---|
| 10   | 787P    | 10A double pole single powerpoint   |
| 10   | 787PN   | 10A double pole single powerpoint<br>with neon  |
| 10   | 787P15  | 15A double pole single powerpoint   |
| 10   | 787PN15 | 15A double pole single powerpoint<br>with neon  |
| 10   | 787P20  | 20A double pole single powerpoint   |



| Pack | Cat No. | Vertical single powerpoints<br>Plate size: 70 x 114mm.<br>Mounting centres: 84mm |
|------|---------|--|
| 10   | V787    | 10A vertical single powerpoint   |
| 10   | V787S   | 10A vertical single powerpoint<br>with safety shutter                            |
| 10   | V787R   | 10A vertical single powerpoint<br>with round earth                               |



| Pack | Cat No.  | KeyLock powerpoints<br>Plate size: 114 x 70mm. Mount-<br>ing centres: 84mm. Key removed<br>in off position only. For common<br>keys, add CK to code if powerpoint<br>required eg 738KLCK |
|------|----------|--|
| 10   | 738KL    | 10A KeyLock powerpoint   |
| 10   | 738KLN   | 10A KeyLock powerpoint with<br>separate neon   |
| 10   | 738KL15  | 15A KeyLock powerpoint   |
| 10   | 738KLN15 | 15A KeyLock powerpoint with<br>separate neon   |
| 10   | 738KL20  | 20A KeyLock powerpoint   |



| Pack | Cat No.  | <b>No-volt powerpoints</b><br>Plate size: 114 x 70mm. Mounting centres: 84mm When power to the circuit is interrupted (no volt) the relay drops out. After power is re-stored, the relay must be manually reset. Ideal for load shedding of non essential loads. Allows greater restart without in-rush loads. |
|------|----------|--|
| 5    | 787XNV   | 10A no-volt single powerpoint. Comprises 787X powerpoint with electrically held relay & reset switch (770XM)   |
| 5    | 787XNV15 | 15A no-volt single powerpoint. Comprises 787/15X powerpoint with electrically held relay & reset switch (770XM)  |



| Pack | Cat No.  | <b>Double powerpoints</b><br>Plate size: 114 x 40mm. Mounting centres: 84mm |
|------|----------|---|
| 10   | 777      | 10A double powerpoint   |
| 10   | 777IDCL  | 10A double powerpoint with Cat. No. 800/2CL blanking insert with clear cap  |
| 10   | 777ID    | 10A double powerpoint with Cat. No. 800/2 blanking insert with opaque cap   |
| 10   | 777S     | 10A double powerpoint with safety shutters                                  |
| 10   | 777NS    | 10A double powerpoint with neons & safety shutters                          |
| 10   | 777R     | 10A double powerpoint with round earths                                     |
| 10   | 777RNS   | 10A double powerpoint, round earths, neons & safety shutters                |
| 10   | 777/1015 | Double powerpoint with 10A & 15A outlets                                    |
| 10   | 777/15   | 15A double powerpoint   |
| 10   | 777/15S  | 15A double powerpoint with safety shutters                                  |



| Pack | Cat No. | <b>Double powerpoints with extra switch</b><br>Plate size: 114 x 70mm. Mounting centres: 84mm |
|------|---------|---|
| 10   | 777X    | 10A double powerpoint with extra switch   |
| 10   | 777XLK  | 10A double powerpoint with extra switch & hard-wired link                                     |
| 10   | 777XS   | 10A double powerpoint with extra switch & safety shutters                                     |
| 10   | 777X15  | 15A double powerpoint with extra switch   |



| Pack | Cat No.  | <b>Double pole double powerpoints</b><br>Plate size: 114 x 70mm. Mounting centres: 84mm |
|------|----------|---|
| 10   | 777P     | 10A double pole powerpoint  |
| 10   | 777PLK   | 10A double pole powerpoint with pre-wired link  |
| 10   | 777PLKNS | 10A double pole powerpoint with neons & safety shutters                                 |
| 10   | 777P15   | 15A double pole powerpoint  |



| Pack | Cat No. | Vertical double powerpoints<br>Plate size: 70 x 114mm.<br>Mounting centres: 84mm |
|------|---------|--|
| 10   | V777    | 10A vertical double powerpoint   |
| 10   | V777LK  | 10A vertical double powerpoint with pre-wired link                               |
| 10   | V777S   | 10A vertical double powerpoint with safety shutters                              |
| 10   | V777/15 | 15A vertical double powerpoint   |



| Pack | Cat No. | Vertical double powerpoints with extra switch<br>Plate size: 70 x 114mm.<br>Mounting centres: 84mm |
|------|---------|--|
| 10   | V777X   | 10A vertical double powerpoint with extra switch   |
| 10   | V777X15 | 15A vertical double powerpoint with extra switch   |



| Pack | Cat No. | Single narrow powerpoints<br>Plate size: 98 x 46mm.<br>Mounting centres: 79mm |
|------|---------|---|
| 10   | 790     | 10A single narrow powerpoint  |
| 10   | 790S    | 10A single narrow powerpoint with safety shutter                              |
| 10   | 790NS   | 10A single narrow powerpoint with neon & safety shutter                       |
| 10   | 790R    | 10A single narrow powerpoint with round earth                                 |
| 10   | 790RS   | 10A single narrow powerpoint with round earth & safety shutter                |
| 10   | 790/15  | 15A single narrow powerpoint  |

|    |      |
|----|------|
| 10 | 790X |
|----|------|

## Single narrow powerpoints with extra switch

Plate size: 114 x 46mm.

Mounting centres: 95mm

10A single narrow powerpoint with extra switch



| Pack | Cat No.  | Double narrow powerpoints<br>Plate size: 157 x 46mm.<br>Mounting centres: 137mm |
|------|----------|---|
| 5    | 792      | 10A double narrow powerpoint  |
| 5    | 792S     | 10A double narrow powerpoint with safety shutters                               |
| 5    | 792R     | 10A double narrow powerpoint with round earth                                   |
| 5    | 792/15   | 15A double narrow powerpoint  |
| 5    | 792/15S  | 15A double narrow powerpoint with safety shutters                               |
| 5    | 792/1015 | Double narrow powerpoint with 10A & 15A outlets                                 |



| Pack | Cat No.  | Double narrow powerpoints, busbarred for easy wiring<br>Plate size: 157 x 46mm.<br>Mounting centres: 137mm |
|------|----------|--|
| 5    | 792B     | 10A double narrow powerpoint with busbar   |
| 5    | 792BNS   | 10A double narrow powerpoint with busbar, neons & safety shutters  |
| 5    | 792B15   | 15A double narrow powerpoint with busbar   |
| 5    | 792B1015 | Double narrow powerpoint with busbar and 10A & 15A outlets   |

## Double narrow powerpoints, busbarred for easy wiring

Plate size: 157 x 46mm.

Mounting centres: 137mm

10A double narrow powerpoint with busbar

10A double narrow powerpoint with busbar, neons & safety shutters

15A double narrow powerpoint with busbar

Double narrow powerpoint with busbar and 10A & 15A outlets

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| Pack | Cat No. |                       |
|------|---------|-----------------------|
| 10   | 791     | 10A single powerpoint |



| Pack | Cat No. |   |
|------|---------|---|
| 5    | SQ787   | 10A single powerpoint                     |
| 5    | SQ787S  | 10A single powerpoint with safety shutter |



| Pack | Cat No. |                       |
|------|---------|-----------------------|
| 5    | 778/0   | 10A double powerpoint |
| 5    | 778/1   | 10A double powerpoint |



| Pack | Cat No. |   |
|------|---------|---|
| 5    | SQ777   | 10A double powerpoint                     |
| 5    | SQ777S  | 10A double powerpoint with safety shutter |



| Pack | Cat No. |                                   |
|------|---------|-----------------------------------|
| 5    | 3G788   | 10A single pole triple powerpoint |





| Pack | Cat No. |   |
|------|---------|---|
| 5    | SQ777X  | 10A double powerpoint with extra switch                   |
| 5    | SQ777XS | 10A double powerpoint with extra switch & safety shutters |



| Pack | Cat No.  |   |
|------|----------|---|
| 10   | 1/788    | 10A single pole single powerpoint               |
| 10   | 1/788P   | 10A double pole single powerpoint, caravan type |
| 10   | 1/788P15 | 15A double pole single powerpoint, caravan type |



| Pack | Cat No. |   |
|------|---------|---|
| 5    | 788PXP  | 10A 2 pole single powerpoint with extra 2 pole switch, caravan type |
| 5    | 788PX   | 10A 2 pole single powerpoint with extra switch                      |



| Pack | Cat No.  |  |
|------|----------|--|
| 5    | 2/788P   | 10A double pole double powerpoint, caravan type                              |
| 5    | 2/788    | 10A single pole double powerpoint  |
| 5    | 2/788P15 | 15A double pole double powerpoint, caravan type                              |
| 5    | 2/788PNS | 10A double pole double powerpoint with neons & safety shutters, caravan type |



| Pack | Cat No.      |  |
|------|--------------|--|
| 2    | 777EL30      | 30mA Electresafe powerpoint 10A                                      |
| 2    | 777EL30/1015 | 30mA Electresafe powerpoint with 10A & 15A outlets                   |
| 2    | 777EL30G     | 30mA Electresafe powerpoint for use on generators, 10A               |
| 2    | 777EL30G1015 | 30mA Electresafe powerpoint for use on generators, 10A & 15A outlets |

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|   |           |   |
|---|-----------|---|
| 1 | 777EL30M  | 30mA Electresafe module. 20A  |
| 2 | 777EL30N  | 30mA Electresafe powerpoint with 'supply available' amber neon, 10A |
| 2 | 777EL30N3 | 30mA Electresafe powerpoint with 3 neons, 10A                       |
| 2 | 777EL30R  | 30mA Electresafe powerpoint with round earth. 10A                   |



| Pack   | Cat No.      | <b>Electresafe double powerpoints, 10mA tripping</b><br>Plate size: 114 x 70mm.<br>Mounting centres: 84mm |
|--|--------------|---|
| 2  | 777EL10      | 10mA Electresafe powerpoint 10A   |
| 2  | 777EL10/1015 | 10mA Electresafe powerpoint with 10A & 15A outlets  |
| 2  | 777EL10N     | 10mA Electresafe powerpoint with 'supply available' neon, 10A   |
| 2  | 777EL10N3    | 10mA Electresafe powerpoint with 3 neons, 10A   |
| <b>RCD modules for panel mounting</b><br>Plate size: 114 x 70mm.<br>Mounting centres: 84mm |              |   |
| 2  | 777EL30ES    | 30mA tripping RCD module, 20A double pole with mounting bracket   |
| 2  | 777EL10ES    | 10mA tripping RCD module, 20A double pole with mounting bracket   |



| Pack | Cat No.  | <b>Single powerpoint, DIN rail mounting</b> Plate size: 67 x 44mm.<br>4 modules wide, 53mm projection. |
|------|----------|--|
| 10   | 787DIN   | 10A single powerpoint with DIN bracket   |
| 10   | 787DIN15 | 15A single powerpoint with DIN bracket   |



| Pack | Cat No. | <b>Chemically resistant powerpoints</b><br>Plate size: 114 x 70mm.<br>Mounting centres: 84mm |
|------|---------|--|
| 10   | 777CH   | 10A standard double powerpoint   |
| 10   | 787CH   | 10A standard single powerpoint   |



| Pack | Cat No. | <b>Shaver supply outlets</b><br>Plate size: 184 x 85mm.<br>mounting centres: 152mm |
|------|---------|--|
| 1    | 798H    | Horizontal shaver outlet & single powerpoint                                       |
| 1    | 798V    | Vertical shaver outlet & single powerpoint   |

### Standard Range dimmers / fan controllers 230-240V



| Pack | Cat No. | <b>Leading edge light dimmers</b><br>Plate size: 70 x 114mm.<br>mounting centres: 84mm<br>Refer to technical section at back of this Section for more information |
|------|---------|---|
| 3    | 200E    | 200VA light dimmer, leading edge  |
| 3    | 300E    | 300VA light dimmer, leading edge  |
| 3    | 400L    | 400VA light dimmer, leading edge  |
| 3    | 700L    | 700VA light dimmer, leading edge  |
| 3    | 1000L   | 1000VA light dimmer, leading edge   |

## Standard Range outlets

### Trailing edge light dimmers

Plate size: 70 x 114mm.  
Mounting centres: 84mm  
Refer to technical section at back of this Section for more information

|  |       |   |
|--|-------|---|
|  |       |   |
| 3  | 400T  | 400VA light dimmer, trailing edge               |
| 3  | 700T  | 700VA light dimmer, trailing edge               |
| 3  | 1000T | 1000VA light dimmer, trailing edge              |
| <b>Light dimmers with heatsink</b>                             |       |   |
| Plate size: 135mm square.<br>Not suitable for mounting blocks. |       |   |
| 1  | 2000E | 2000VA light dimmer, leading edge.<br>60mm deep |
| 1  | 2400E | 2400VA light dimmer, leading edge.<br>60mm deep |



### Fan controllers, EMC compliant

Plate size: 70 x 114mm.  
Mounting centres: 84mm

| Pack | Cat No. |  |
|------|---------|--|
| 3    | 300F    | 300VA fan controller   |
| 3    | 650ET   | 650VA timed fan controller with auto switch-off. Min load 60VA. Timer switches off load after approximately 2 hours, manually resettable. Also suited for controlling resistive loads.   |
| 3    | 650ET1  | 650VA timed fan speed controller with auto switch-off and reduced maximum speed. Min load 60VA. Timer switches off load after approximately 2 hours, manually resettable. Also suited to resistive loads. Reduced maximum speed feature meets Department of Public Works requirements. |
| 3    | 475     | 100VA de-Hummer 3-Speed fan controller, with 3.3 $\mu$ F & 4.7 $\mu$ F capacitors (37mm projection)  |
| 3    | 475/1   | 100VA de-Hummer 3-Speed fan controller, with 1.5 $\mu$ F & 2.5 $\mu$ F capacitors (37mm projection)  |
| 3    | 475/2   | 100VA de-Hummer 3-Speed fan controller, with 1.5 $\mu$ F & 2.5 $\mu$ F capacitors (40mm projection)  |



Pack

Cat No.

### Architrave TV and FM outlet

10

A770/1CX

75 ohm coax outlet in architrave plate. 68 x 32mm



Pack

Cat No.

### Deep-plate TV outlet

10

1A770CX

75 ohm coax outlet, in surface mounting base



Pack

Cat No.

### Telephone outlet grids and plate

Plate size: 114 x 70mm.  
Mounting centres: 84mm

20

770TOPL

Telephone outlet to suit Telecom 610 socket. Plate only.



Pack

Cat No.

### Standard size TV and FM-TV outlet

Plate size: 70 x 114mm.  
Mounting centres: 84mm.

10

770/1CX

75 ohm coax outlet

10

770/1FCX

75 ohm coax to F connector

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| Pack | Cat No.  | <b>Modular series RJ outlets</b><br>Plate size: 114 x 70mm.<br>Mounting centres: 84mm |
|------|----------|---|
| 10   | 770/1RJ2 | Single RJ45 outlet<br>(phone/data, Cat 5E)  |
| 10   | 770/2RJ2 | Double RJ45 outlet<br>(phone/data, Cat 5E)  |

### Standard Range plates

| Pack | Cat No. | Colour surcharges might apply.<br>Please see Colour options and<br>surcharges page. Please note that<br>not all plates are available in every<br>colour. Not all plates have been<br>listed, however, plates are available<br>for all Standard Range products.<br><b>Standard size switch cover<br/>plate only</b><br>Plate size: 114 x 70mm.<br>Mounting centres: 84mm |
|------|---------|---|
| 20   | 770/0   | Blank standard plate  |
| 20   | 770/1PL | 1 gang standard switch plate  |
| 20   | 770/2PL | 2 gang standard switch plate  |
| 20   | 770/3PL | 3 gang standard switch plate  |
| 20   | 770/4PL | 4 gang standard switch plate  |
| 10   | 770/5PL | 5 gang standard switch plate  |
| 10   | 770/6PL | 6 gang standard switch plate  |



| Pack | Cat No.   | <b>Small architrave switch plate only</b>          |
|------|-----------|--|
| 10   | AS770/1PL | 1 gang small architrave switch<br>plate, 54 x 26mm |
| 10   | AS770/2PL | 2 gang small architrave switch<br>plate, 79 x 26mm |



| Pack | Cat No.  | <b>Architrave switch plate only</b>  |
|------|----------|--|
| 10   | A770/1PL | 1 gang architrave switch plate,<br>68 x 32mm   |
| 10   | A770/2PL | 2 gang architrave switch plate,<br>81 x 32mm   |
| 10   | A770/3PL | 3 gang architrave switch plate,<br>106 x 32mm  |
| 10   | A770/4PL | 4 gang architrave switch plate,<br>132 x 32mm  |
|      |          | <b>Deep switch surface<br/>mounting plate only</b><br>Plate size: 34 x 81 x 21mm.<br>Mounting centres: 60mm. |
| 20   | 1A770PL  | 1 gang deep plate, caravan type,<br>for surface mounting   |
| 10   | 2/770PL  | 2 gang deep plate switch plate   |



| Pack | Cat No.    | <b>Intermediate size<br/>switch plate only</b><br>Plate size: 95 x 44mm.<br>Mounting centre: 55 or 79mm. |
|------|------------|--|
| 20   | AL770/11PL | 1 gang intermediate size switch<br>plate. Mounting centres: 55mm   |
| 20   | AL770/12PL | 1 gang intermediate size switch<br>plate. Mounting centres: 79mm   |
| 10   | AL770/21PL | 2 gang intermediate size switch<br>plate. Mounting centres: 55mm   |
| 20   | AL770/22PL | 2 gang intermediate size switch<br>plate. Mounting centres: 79mm   |



## Square switch plate only

Mounting centres: 1-6 gang: 4 holes at 46mm horizontal and 84mm vertical and 2 holes at 84mm horizontal on centre line. 7-9 gang: 4 holes at 46mm horizontal and 84mm vertical.

| Pack | Cat No.   |                            |
|------|-----------|----------------------------|
| 20   | SQ770/0   | Blank square plate         |
| 20   | SQ770/1PL | 1 gang square switch plate |
| 20   | SQ770/2PL | 2 gang square switch plate |
| 20   | SQ770/3PL | 3 gang square switch plate |
| 20   | SQ770/4PL | 4 gang square switch plate |
| 1    | SQ770/5PL | 5 gang square switch plate |
| 20   | SQ770/6PL | 6 gang square switch plate |
| 1    | SQ770/7PL | 7 gang square switch plate |
| 20   | SQ770/9PL | 9 gang square switch plate |

## Computer data & communication plate only

Plate size: 117 x 73mm. Mounting centres: 84mm

| Pack | Cat No.   |  |
|------|-----------|--|
| 20   | 770/1D1PL | Computer outlet plate for 1 x 9 pin (CP9) D connector socket           |
| 20   | 770/1D3PL | Computer outlet plate for 1 x 25 pin (CP25) D connector socket         |
| 20   | 770/2D3PL | Computer outlet plate for 2 x 25 pin (CP25) D connector socket         |
| 10   | 770/1CXPL | Computer outlet plate for 1 x bayonet cap TCN or BNC connector socket  |
| 10   | 770/2CXPL | Computer outlet plate for 2 x bayonet cap TCN or BNC connector sockets |
| 10   | 770/2TBPL | Computer outlet plate for 2 x TCN/BNC connector sockets                |



## Pay-TV switch plate only

Plate size: 70 x 114mm. Mounting centres: 84mm.

| Pack | Cat No. |  |
|------|---------|--|
| 10   | 770FPL  | F, BNC, TNC or ST fibre optic adaptor, plate only. Hole dia. 9.5mm |

## Cable accessories

| Pack | Cat No.  |   |
|------|----------|---|
| 10   | 770/1YPL | Suits all Standard mounting accessories.<br><b>Cable terminators</b><br>Blank plate, 1 cable terminator on back of plate, 4 terminals |

## Circuit identification and plain caps

| Pack | Cat No.   |   |
|------|-----------|---|
| 100  | FLUSHCAPS | <b>Plain blank flush caps</b><br>Plain blank flush caps only. (Packet of 100). Specify colour.  |
| 10   | CICCAPS   | <b>Engraved flush caps</b><br>Engraved flush caps. Available in figures 1-99, letters A-Z. (10 of each number or letter in each pack). Black engraving standard or specify red, yellow. |

## Identification products



| Pack | Cat No.  | Identification products   |
|------|----------|---|
| 10   | 800      | Blanking piece, suits all 770 series switch plates  |
| 10   | 800LH    | Blanking piece with hole for potentiometer mounting, suits all 770 series switch plates.  |
| 10   | 800ID    | Blanking piece engraved - Not Safety Switch Protected. Suits all 770 series switch plates.  |
| 50   | 800/2    | Blanking insert with opaque cap. Ass Suits all 770 series switch plates.  |
| 50   | 800/2CL  | Blanking insert with clear cap. Ass Suits all 770 series switch plates.   |
| 50   | 800/2CL1 | Die cut labels for circuit identification to suit Cat. No. 800/2CL  |
| 1    | 800/2CL3 | Blank die-cut paper for Cat. No. 800/2CL2 circuit IS kit. 10 sheets per pack. Specify: WE (white); BU (blue); RED (red); or YE (yellow) |

## Hot water kit

| Pack | Cat No.  | Hot water kit                     |
|------|----------|-----------------------------------|
| 1    | HWS770/2 | Hot water cylinder connection kit |

## Standard Range

#### Time delay switches table

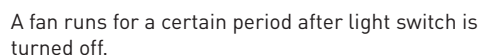
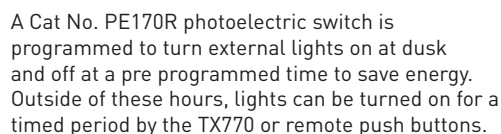
## Remote-mounting time delay switches

- Re-trigger means that a button press during the timing cycle will re-start the timing cycle.
- Toggle means that a button press during the timing cycle will stop the timing cycle.
- Fan delay means that the fan remains on for a certain period after the light is turned off. A light must be connected for the unit to operate.

### Information

Some HPM time delay switches may have compatibility issues with some types of compact fluorescent lamp or electronic ballast when the load is small. This may cause the lamp to flicker slightly in the off state. It can be overcome by increasing the size of the load, or by connecting a resistive load in parallel. For more information, please contact HPM Customer Service on 1300 369 777.

## Wiring diagrams



Dimmers specifications table

| Cat. No.       | Type          | Maximum load | Minimum load | Incandescent | 240V Linear halogen | GU10 240V halogen downlights | Low voltage halogen with wirewood (Iron Core) transformers * | Low voltage halogen with electronic transformers | ceiling fan |
|----------------|---------------|--------------|--------------|--------------|---------------------|------------------------------|--|--|-------------|
| <b>Dimmers</b> |               |              |              |              |                     |                              |  |  |             |
| 200E           | Leading edge  | 200VA        | 10VA         | ✓            | ✓                   | x                            | ✓  | See note   | ✓           |
| 300E           | Leading edge  | 300VA        | 40VA         | ✓            | ✓                   | x                            | ✓  | See note   | ✓           |
| 400L           | Leading edge  | 400VA        | 10VA         | ✓            | ✓                   | ✓                            | ✓  | x  | x           |
| 400T           | Trailing edge | 400VA        | 10VA         | ✓            | ✓                   | x                            | x  | ✓  | x           |
| 700L           | Leading edge  | 700VA        | 10VA         | ✓            | ✓                   | ✓                            | ✓  | x  | x           |
| 700T           | Trailing edge | 700VA        | 10VA         | ✓            | ✓                   | x                            | x  | ✓  | x           |
| 1000L          | Leading edge  | 1000VA       | 10VA         | ✓            | ✓                   | ✓                            | ✓  | x  | x           |
| 1000T          | Trailing edge | 1000VA       | 10VA         | ✓            | ✓                   | x                            | x  | ✓  | x           |
| 2000E          | Leading edge  | 2000VA       | 100VA        | ✓            | ✓                   | x                            | ✓  | See note   | ✓           |
| 2400E          | Leading edge  | 2400VA       | 100VA        | ✓            | ✓                   | x                            | ✓  | See note   | ✓           |

## Note

Some electronic transformers state that they are compatible with Leading Edge Dimmers. However, significant de-rating of the dimmer is usually required. Therefore, HPM recommends the use of Trailing Edge Dimmers (HPM Cat. No. 400T, 700T or 1000T) for these applications. If it is necessary to use a Leading Edge Dimmer, then please refer to the Dimming Electronic Transformers information sheet enclosed with the product.

\* When using wirewound transformers, ensure the transformers are marked "suitable for dimming" and de-rate the dimmer by 20%.



## How many electronic transformers can I use?

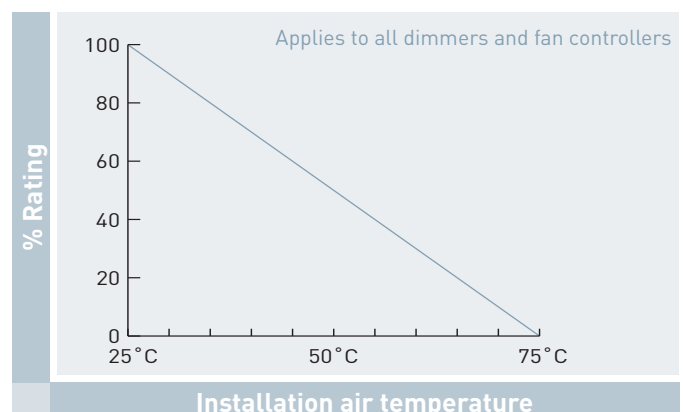
## Selecting the correct fan controller

| Electronic transformer model          | 400T                                 | 700T | 1000T |
|---------------------------------------|--------------------------------------|------|-------|
| Max number of transformers per dimmer |                                      |      |       |
| Nelson MTECOUGAR60                    | 8                                    | 14   | 20    |
| Nelson MTETRADE65                     |                                      |      |       |
| Nelson MTECONT70                      |                                      |      |       |
| Nelson MTEFOX60                       |                                      |      |       |
| Nelson MTEICE60                       |                                      |      |       |
| Nelson MTEKITTY60                     |                                      |      |       |
| Nelson MTEMICRO60                     |                                      |      |       |
| Nelson MTEPBS60                       |                                      |      |       |
|                                       |                                      |      |       |
| Nelson MTECONT105                     | 4                                    | 7    | 10    |
| Nelson MTEFLAT105                     |                                      |      |       |
| Nelson MTEFOX105                      |                                      |      |       |
| Nelson MTEICE105                      |                                      |      |       |
| Nelson MTEKITTY105                    |                                      |      |       |
|                                       | Assumes 2 x 50W lamp per transformer |      |       |

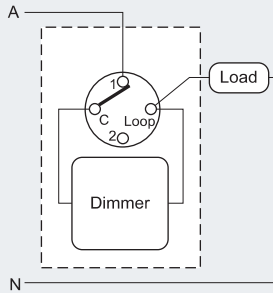
| Cat. No.                    | Maximum load | Minimum load |
|-----------------------------|--------------|--------------|
| <b>Fan controllers</b>      |              |              |
| 300F                        | 300VA        | 40VA         |
| 475                         | 100VA        | -            |
| 475/1                       | 100VA        | -            |
| 475/2                       | 100VA        | -            |
| <b>Timed fan controller</b> |              |              |
| 650ET                       | 650VA        | 60VA         |
| 650ET1                      | 650VA        | 60VA         |

- **Cat. No. 475, 475/1 and 475/2** are capacitive type controllers that will eliminate motor humming. These can control only a single fan. All other fan controllers are capable of controlling multiple fans up to their maximum load.
- The capacitor values in **Cat. No. 475/1** and **475/2** are the same, and have been selected to suit most fan models. The only difference between the two is that **Cat. No. 475/2** can be installed on a multi-gang plate with other switches or dimmers.
- If Cat. No. 475/1 or 475/2 cause the fan to operate too slowly, **Cat. No. 475** should be used instead.
- **Cat. No. 650ET** and **650ET1** have an in-built two hour timer, and will automatically switch off after this time.
- **Cat. No. 650ET1** has a reduced maximum speed of 80-85% to satisfy Department of Public Works specifications.

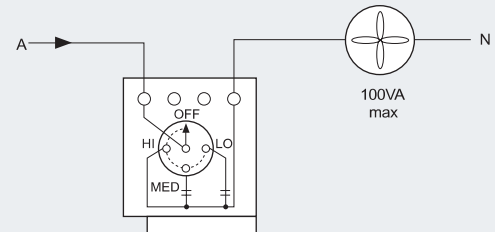
This table is an example only. Other models of electronic transformers may be used.



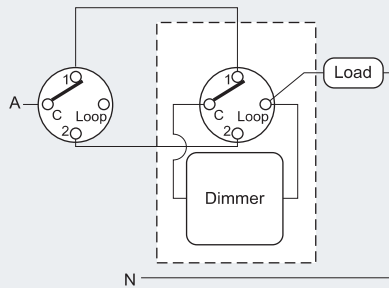
Wiring diagrams



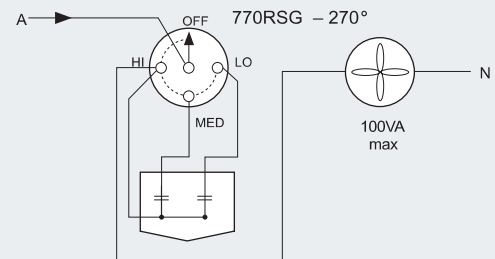
One-way switching with dimmer



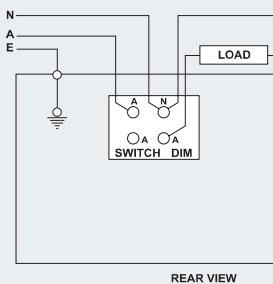
475 and 475/1



Two-way switching with dimmer

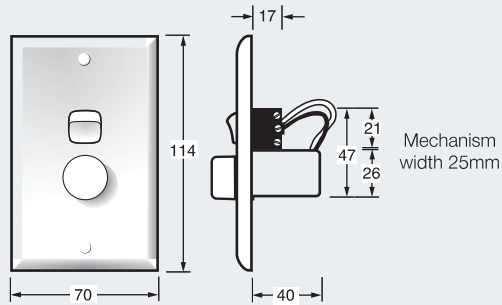


475/2

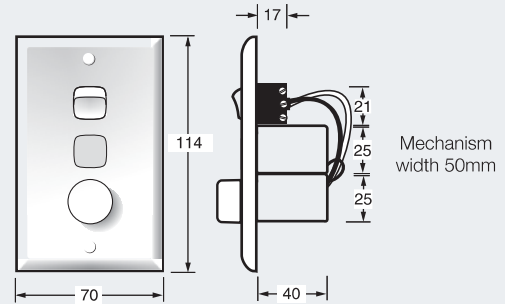


2000E and 2400E

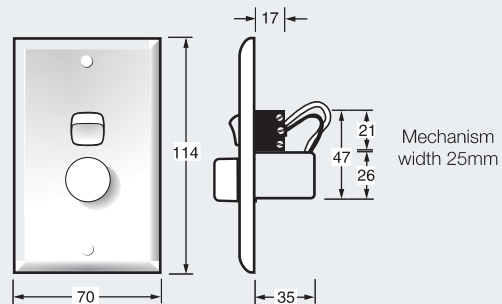
## Installation dimensions



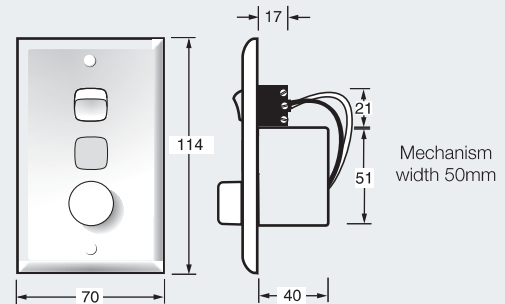
300E, 300F



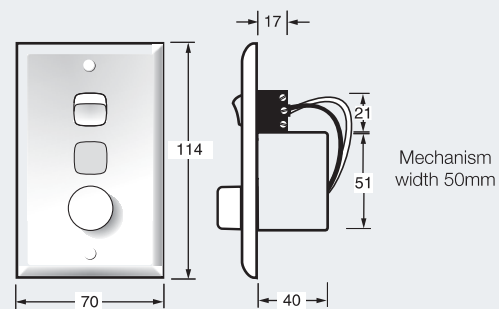
650ET, 650ET1, 700E



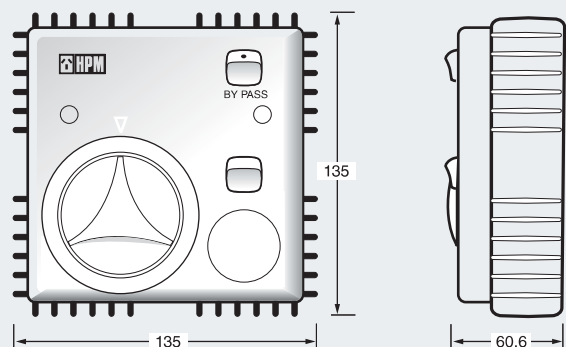
200E, 400L, 400T



1000L, 1000T



700L, 700T



2000E, 2400E

## Standard Range

# Section 5

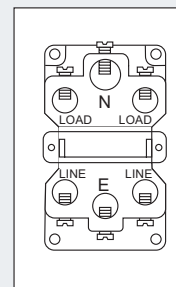
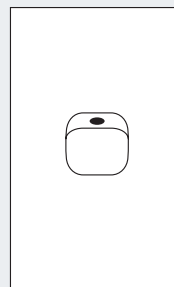
### Heavy duty rocker switches, range switch isolators

Cat No.

F1036P

Plate size: 70 x 114mm.  
Mounting centres: 84mm

F1036P



### Single powerpoints

787

Plate size: 114 x 70mm.  
Mounting centres: 84mm

787/20

Plate size: 114 x 70mm.  
Mounting centres: 84mm

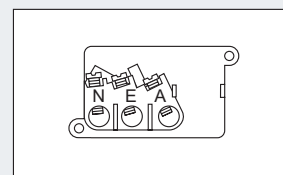
787/25

Plate size: 114 x 70mm.  
Mounting centres: 84mm

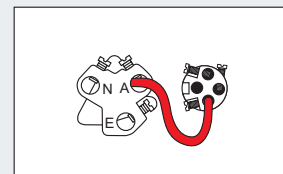
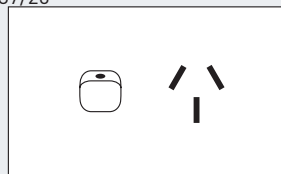
787/32

Plate size: 114 x 70mm.  
Mounting centres: 84mm

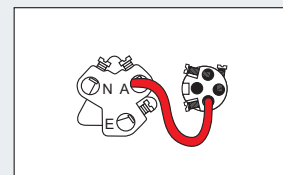
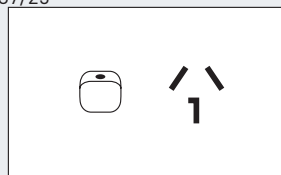
787



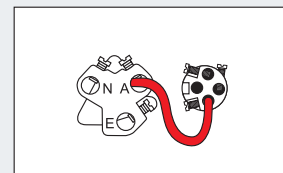
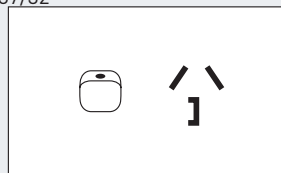
787/20



787/25



787/32

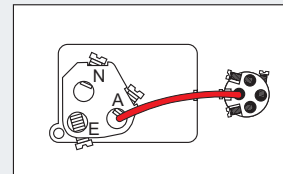
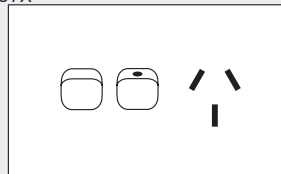


### Single powerpoints with extra switch

787X

Plate size: 114 x 70mm.  
Mounting centres: 84mm

787X

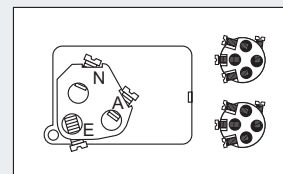
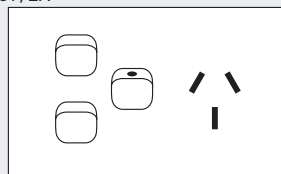


### Single powerpoints with 2 extra switches

787/2X

Plate size: 114 x 70mm.  
Mounting centres: 84mm

787/2X



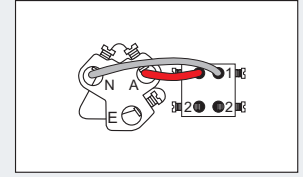
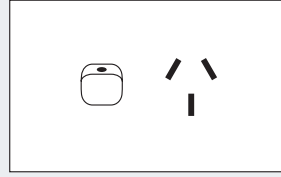
## Double pole single powerpoint

Cat No.

787P

Plate size: 114 x 70mm.  
Mounting centres: 84mm

787P

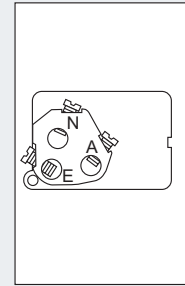
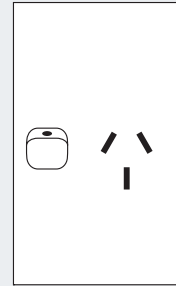


## Vertical single powerpoints

V787

Plate size: 70 x 114mm.  
Mounting centres: 84mm

V787

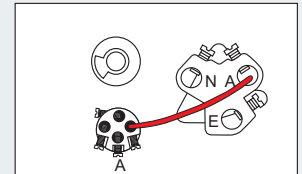


## KeyLock powerpoints

738KL

Plate size: 114 x 70mm.  
Mounting centres: 84mm

738KL

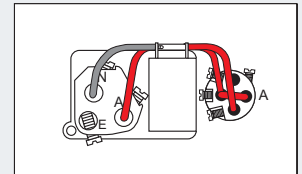
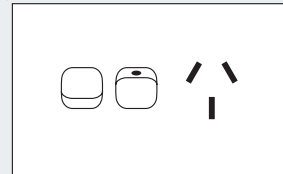


## No-volt powerpoints

787XNV

Plate size: 114 x 70mm.  
Mounting centres: 84mm

787XNV

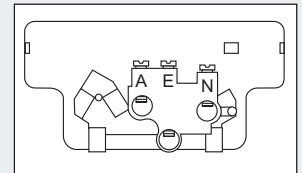
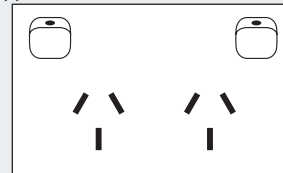


## Double powerpoints

777

Plate size: 114 x 70mm.  
Mounting centres: 84mm

777

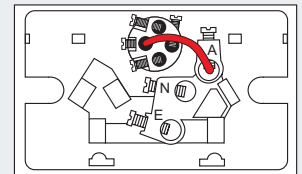
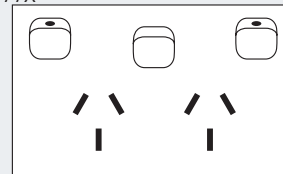


## Double powerpoints with extra switch

777X

Plate size: 114 x 70mm.  
Mounting centres: 84mm

777X



# Standard Range

# Section 5

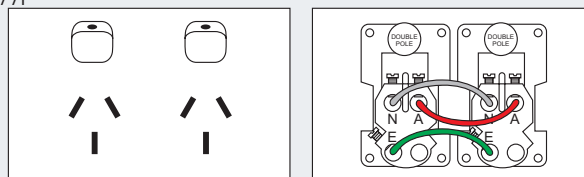
## Double pole double powerpoints

Cat No.

777PLK

Plate size: 114 x 70mm.  
Mounting centres: 84mm

777P



## Vertical double powerpoint

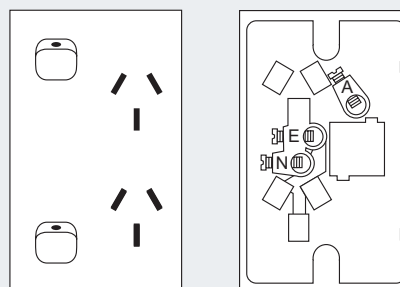
V777

Plate size: 70 x 114mm.  
Mounting centres: 84mm

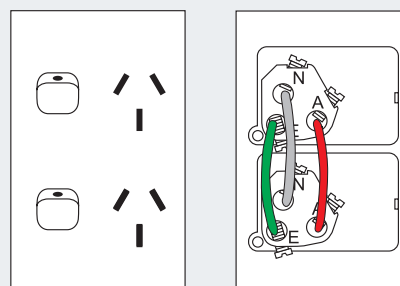
V777LK

Plate size: 70 x 114mm.  
Mounting centres: 84mm

V777



V777LK

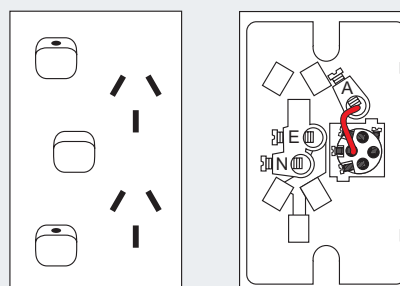


## Vertical double powerpoints with extra switch

V777X

Plate size: 70 x 114mm.  
Mounting centres: 84mm

V777X

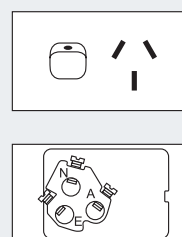


## Single narrow powerpoint

790

Plate size: 98 x 46mm.  
Mounting centres: 79mm

790



## Standard Range

# Section 5

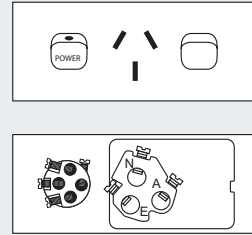
### Single narrow powerpoints with extra switch

Cat No.

790X

Plate size: 114 x 46mm.  
Mounting centres: 95mm

790X

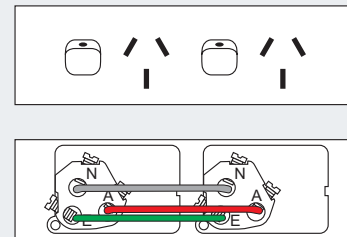


### Double narrow powerpoints

792

Plate size: 157 x 46mm.  
Mounting centres: 137mm

792

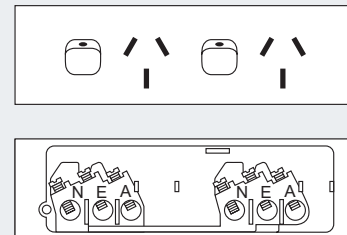


### Double narrow powerpoints, busbarred for easy wiring

792B

Plate size: 157 x 46mm.  
Mounting centres: 137mm

792B

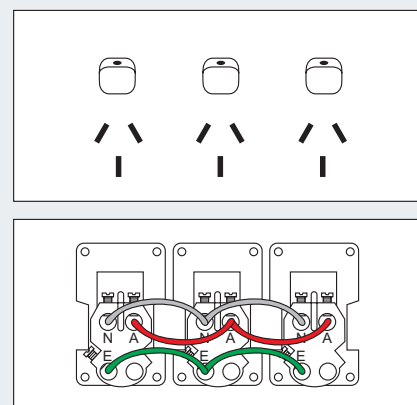


### Large plate triple powerpoints

3GP788

Plate size: 184 x 86mm. Mounting centres:  
2 holes 152mm horiz. and 6mm below horiz.  
centre line

3GP788



## Standard Range

# Section 5

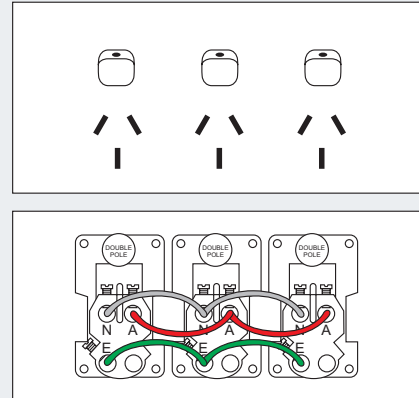
### Large plate double pole triple powerpoints

Cat No.

3G2P788

Plate size: 184 x 86mm. Mounting centres:  
2 holes 152mm horiz. and 6mm below horiz.  
centre line

3G2P788



### Jumbo single powerpoints

791

Plate size: 127 x 83mm. Mounting centres:  
2 standard holes, 84mm horiz. on horizontal  
central line. Also available: 2 holes 102mm  
horizontal mounting centres on horizontal  
centre line and 2 holes 59mm vertical  
mounting centres on vertical centre line  
(for stud mounting).

791

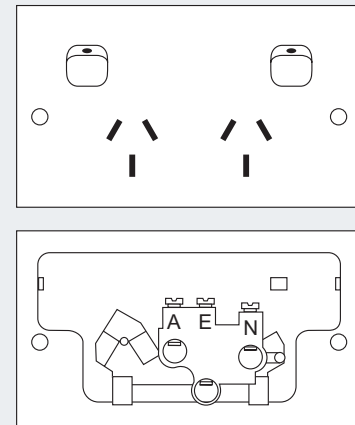


### Jumbo double powerpoints with outside holes

778/0

Plate size: 143 x 83mm.  
Mounting centres 119mm

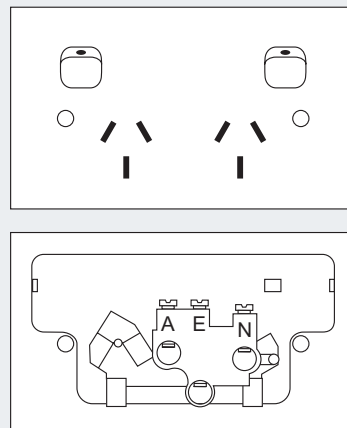
778/0





## Jumbo double powerpoints with inside holes

778/I



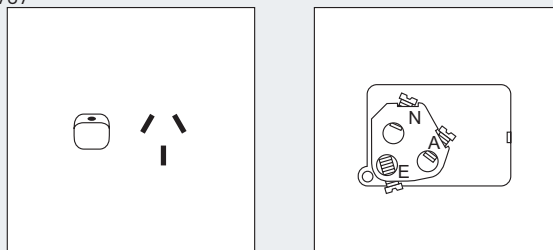
Cat No.

778/I

Plate size: 143 x 83mm.  
Mounting centres: 84mm

## Square single powerpoints

SQ787

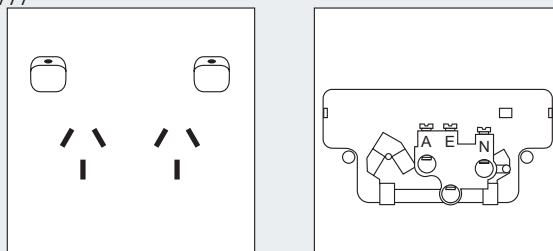


SQ787

Plate size: 114mm square. Mounting centres:  
4 holes at 46mm horizontal and 84mm vertical  
and 2 holes at 84mm horizontal on centre line

## Square double powerpoints

SQ777

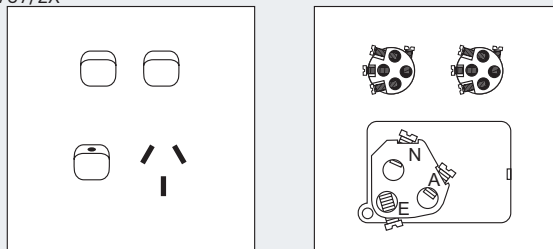


SQ777

Plate size: 114mm square. Mounting centres:  
4 holes at 46mm horizontal and 84mm vertical  
and 2 holes at 84mm horizontal on centre line

## Square single powerpoints with 2 extra switches

SQ787/2X



Cat No.

SQ787/2X

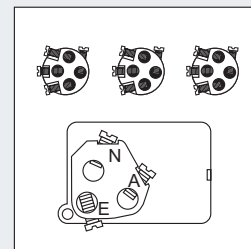
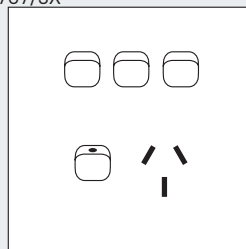
Plate size: 114mm square. Mounting centres: 4  
holes at 46mm horizontal and 84mm vertical

## Square single powerpoints with 3 extra switches

SQ787/3X

Plate size: 114mm square. Mounting centres: 4 holes at 46mm horizontal and 84mm vertical

SQ787/3X

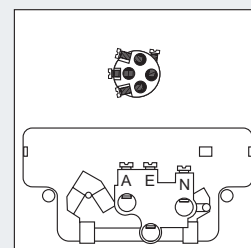
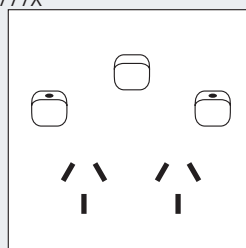


## Square double powerpoints with extra switch

SQ777X

Plate size: 114mm square. Mounting centres: 4 holes at 46mm horizontal and 84mm vertical

SQ777X



## Single powerpoints, DIN rail mounting

787DIN

Plate size: 67 x 44mm

787DIN

