# PDL 800 MODENA SERIES

*Contemporary, Innovative, Flexible*

Your complete modular solution

a brand of
**Schneider Electric**

**PDL**

# "It's the details that matter when it comes to surrounding yourself with style".

## PDL 800 MODENA SERIES

black          blue          charcoal          champagne

PDL 800 Modena Series presents a stylish and contemporary look to any modern décor. Innovation and flexibility is provided for electricians, architects and homeowners alike, offering a total solution for your electrical design.

The incorporation of large switch modules, integrally (auto switched) socket outlets with built in safety shutter, replaceable neon indicator options, double vertical and double horizontal grid options and compatibility with the 600 Series modules provides a truly flexible and practical solution that caters for almost any modern application.

gun metal                    red                         white                       chrome

# *Contemporary, Innovative, Flexible*
## Your complete modular solution

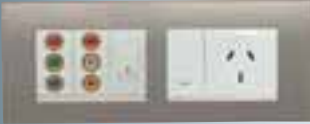PDL Modena is the culmination of 18 months research, design and development.

For many decades PDL has been the innovative electrical supplier developing cutting edge designs and technologies, and the introduction of this range signifies the next evolution in domestic and commercial wiring accessories.
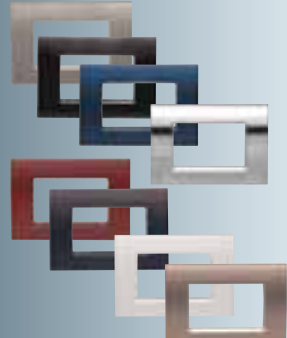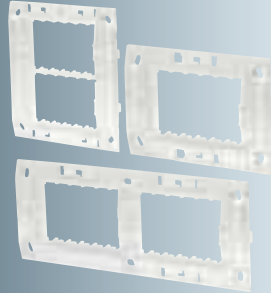
In keeping with PDL tradition Modena has been designed and developed in consultation with practicing electrical contractors. Additionally substantial research has been undertaken with leading architects, designers, and consultants, as well as homeowners, to ensure even the most stringent requirements would be met.

The product itself is designed using a modular format, creating flexibility never seen before. The interchangeable modules and wide range of colour options offer many combinations allowing you the creativity to suit almost any electrical installation.

# Features and Benefits

**Front loading modules:**

Front loading switch modules cannot be pushed back into the wall cavity by frontal impact, saving low-profit maintenance calls while maximising end-user safety.

**An array of switch module options:**

Allows for almost any electrical design configuration to be incorporated without compromising the décor.

**Flexible interchangeable module combinations:**

The unique nature of the range allows combinations of light switches, socket outlets, audio/TV and safety equipment in the same plate allowing you and your customers greater options.

**Captivated terminal screws and backed off screw in fully assembled product:**

Stops on all terminal screws that prevent accidental disengagement reducing unwarranted frustration and down time!

**Replaceable neon lamp:**

Most switches have an optional replaceable neon lamp that can be wired for permanently on or on / off status. Allowing you better functionality.

**Phillips 2/slotted combination head:**

terminal screws standardised across the entire 800 series product range, reducing the need for multiple drivers allowing faster fitting off times.

**Integrally switched option:**

switch contact

Modena's new contemporary design includes an internally switched socket option and safety switches in each socket providing additional safety.

**Plastic surround colour options:**

Eight colours available to compliment almost any décor.

**Clear grid plates in 3 sizes:**

Clear strong polycarbonate grids, simplifying the lining up of fixing screws with flush box threads.

**Compatible with 600 Series module:**

The 800MA 500/600 Series module adaptor, creating even greater flexibility.

# Contents

# Fully Assembled Product

## Switches

Complies with standards: AS/NZS 3133, AS/NZS 3100, AS/NZS 3121
Ratings: 250V a.c, 50Hz, 16A resistive, 16AX inductive, 16AX fluorescent
Max terminal capacity: 9 x 1mm$^2$ cables
                                  6 x 1.5mm$^2$ cables
                                  3 x 2.5mm$^2$ cables
                                  2 x 4.0mm$^2$ cables
Mounting centres 84mm

### 881
**1 GANG LARGE SINGLE POLE 2 WAY SWITCH**
Fits cat 144 flush box, cat 146H, 146V, 148H, 148V mounting brackets only.
Colour: White (WH) and black (BK) only.

### 882
**2 GANG MEDIUM SINGLE POLE TWO WAY SWITCH**
Fits cat 144 flush box, cat 146H, 146V, 148H, 148V mounting brackets only.
Colour: White (WH) and black (BK) only.

### 883
**3 GANG STANDARD SINGLE POLE TWO WAY SWITCH**
Fits cat 144 flush box, cat 146H, 146V, 148H, 148V mounting brackets only.
Colour: White (WH) and black (BK) only.

# Fully Assembled Product

## Switched single socket outlets

Complies with standards: AS/NZS 3112, AS/NZS 3100, AS/NZS 3133
Ratings: 230 - 240V a.c 50Hz
Current: 10A
Terminal capacity: 9 x 1.5mm$^2$ cables
               4 x 2.5mm$^2$ cables
               3 x 4.0mm$^2$ cables
Mounting centres 84mm
For additional safety all 800 series sockets are fitted with safety shutters.

### 894
**SINGLE SWITCHED HORIZONTAL SOCKET**
Fits cat 144 flush box, cat 146H, 146V, 148H, 148V mounting brackets only.
Colour: White(WH) and black(BK) only.

### 891A
**SINGLE SWITCHED VERTICAL SOCKET**
Fits cat 144 flush box, cat 146H, 146V, 148H, 148V, 145V mounting brackets only.
Colour: White(WH) and black(BK) only.
Note: Switch can be used separately from the integrally switched socket outlet.

## Integrally switched socket outlets

All switches are integrally switched, i.e. as a plug is inserted it operates an internal switching mechanism.
Complies with standards: AS/NZS 3112, AS/NZS 3100, AS/NZS 3133
Ratings: 230 - 240V a.c 50Hz
Current: 10A
Terminal capacity: 9 x 1.5mm$^2$ cables
               4 x 2.5mm$^2$ cables
               3 x 4.0mm$^2$ cables
Mounting centres 84mm
For additional safety all 800 series sockets are fitted with safety shutters.

### 895A
**DOUBLE HORIZONTAL INTEGRALLY SWITCHED SOCKET**
Neons fitted as standard
Fits cat 144 flush box, cat 146H, 146V, 148H, 148V mounting brackets only.

### 892A
**DOUBLE VERTICAL INTEGRALLY SWITCHED SOCKET**
Neons fitted as standard
Fits cat 144 flush box, cat 146H, 146V, 148H, 148V, 145V mounting brackets only.
Colour: White(WH) and black(BK)

# Grid Plates

Grid plates are clear and can accept any 800 Modena series modules.
Please note: choose the correct socket module for either the horizontal plane (894M,894MA or 895MA) and the vertical plane (891MA or 892MA). Vertical versions have the grid locking mechanism on each side where as the horizontal versions have the locking mechanism on the top and bottom (see socket outlet module pictures on page 14).

## Standard
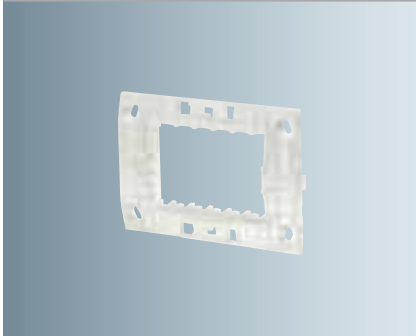
### 800G
**STANDARD GRID PLATE**
Colour: Transparent
Mounting centres: 84mm
Total number of switch modules that fit the grid plate:
Half        (Cat 860M16,861M16)        = Total 6
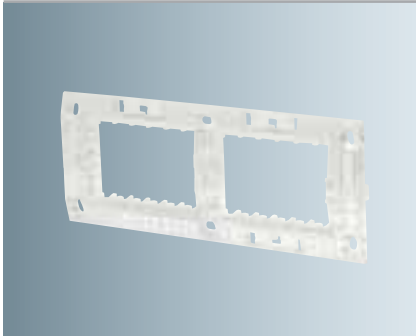Standard    (Cat 881M16S,882M10N)      = Total 3
Medium      (Cat 881M16M)              = Total 2
Large       (Cat 881M16L)              = Total 1
Note: Grid plate will accept socket outlet combinations also.
Fits cat 144 flush box, cat 146H, 146V, 148H, 148V mounting brackets only.

## Double horizontal

### 800G2H
**DOUBLE HORIZONTAL GRID PLATE**
Colour: Transparent
Mounting centres: 84mm per aperture
Total number of switch modules that fit the grid plate:
Half        (Cat 860M16,861M16)        = Total 12
Standard    (Cat 881M16S,882M10N)      = Total 6
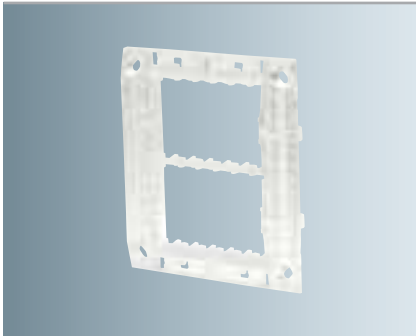Medium      (Cat 881M16M)              = Total 4
Large       (Cat 881M16L)              = Total 2
Note: Grid plate will accept socket outlet combination also.
Fits cat 144 flush box (with 800WBC wall anchor) and 800FB2H only.

## Double vertical

### 800G2V
**DOUBLE VERTICAL GRID PLATE**
Colour: Transparent
Mounting centres: 84mm per aperture
Total number of switch modules that fit the grid plate:
Half        (Cat 860M16,861M16)        = Total 12
Standard    (Cat 881M16S,882M10N)      = Total 6
Medium      (Cat 881M16M)              = Total 4
Large       (Cat 881M16L)              = Total 2
Note: Grid plate will accept socket outlet combination also.
Fits 800FB2V only.

# Plastic Surrounds

The standard single, double horizontal and double vertical plastic surrounds are available in eight colour options:
Black (BK), blue (BL), charcoal (CC), champagne (CH), chrome (CM), gun metal grey (GM), white (WH) and red (RD).
When ordering colour options add the two letter colour abbreviation after the catalogue number.
NOTE: Screw caps Cat 800G-10 must be used whenever a chrome plastic surround is used.
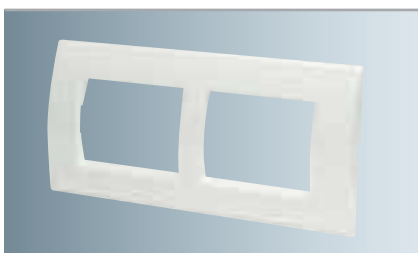
## Standard
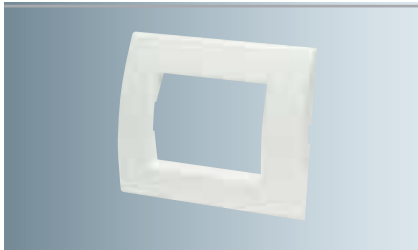
### 800PS
**SINGLE PLASTIC SURROUND**
Fits: standard grid plate Cat 800G
NOTE: Screw caps Cat 800G-10 must be used whenever a chrome plastic surround is used.

## Horizontal
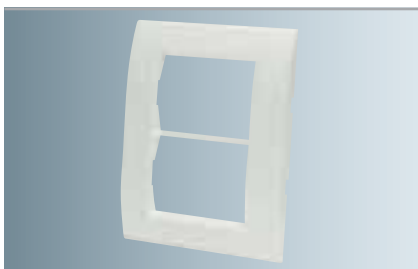
### 800PS2H
**DOUBLE HORIZONTAL PLASTIC SURROUND**
Fits double horizontal grid plate Cat 800PS2H
NOTE: Screw caps Cat 800G-10 must be used whenever a chrome plastic surround is used.

## Vertical

### 800PS2V
**DOUBLE VERTICAL PLASTIC SURROUND**
Fits double horizontal grid plate Cat 800PS2V
NOTE: Screw caps Cat 800G-10 must be used whenever a chrome plastic surround is used.

# Modules

## Switch modules

All modules are available in Black (BK) and White (WH) only.
Switch modules are front loading
Complies with standards: AS/NZS 3133, AS/NZS 3100, AS/NZS 3121
Terminal capacity: 9 x 1mm 2 cables
              6 x 1.5mm 2 cables
              3 x 2.5mm 2 cables
              2 x 4.0mm 2 cables
Neon option available on all switches unless otherwise stated.

### 860M16
**HALF SINGLE POLE ONE WAY SWITCH MODULE**
Ratings:
250V ac 50Hz
16A resistive
16AX inductive/capacitive
16AX fluorescent
Fits Cat 800G,800G2H and 800G2V only

### 881M16M
**MEDIUM SINGLE POLE TWO WAY SWITCH MODULE**
Ratings:
250V ac 50Hz
16A resistive
16AX inductive/capacitive
16AX fluorescent
Fits Cat 800G,800G2H and 800G2V only

### 861M16
**HALF SINGLE POLE TWO WAY SWITCH MODULE**
Ratings:
250V ac 50Hz
16A resistive
16AX inductive/capacitive
16AX fluorescent
No neon option available
Fits Cat 800G,800G2H and 800G2V only

### 881M16L
**LARGE SINGLE POLE TWO WAY SWITCH MODULE**
Ratings:
250V ac 50Hz
16A resistive
16AX inductive/capacitive
16AX fluorescent
Fits Cat 800G,800G2H and 800G2V only

### 881M16S
**STANDARD SINGLE POLE TWO WAY SWITCH MODULE**
Ratings:
250V ac 50Hz
16A resistive
16AX inductive/capacitive
16AX fluorescent
Fits Cat 800G,800G2H and 800G2V only

### 882M10N
**STANDARD DOUBLE POLE SWITCH MODULE WITH NEON**
Ratings:
250V ac 50Hz
10A resistive
10AX inductive/capacitive
10AX fluorescent
Fits Cat 800G,800G2H and 800G2V only

### 881M16SP
**STANDARD PRESS SINGLE POLE TWO WAY SWITCH MODULE**
Ratings:
250V ac 50Hz
16A resistive
16AX inductive/capacitive
16AX fluorescent
Fits Cat 800G,800G2H and 800G2V only

# Modules

## Blank modules

**860BM**
**HALF BLANK MODULE**
Fits Cat 800G,800G2H and 800G2V only

**880BM**
**STANDARD BLANK MODULE**
Fits Cat 800G,800G2H and 800G2V only

## 500/600 series module adaptor

Allows all 500/600 series modules to be fitted to 800 series grid plates.

**800MA**
**500/600 SERIES MODULE ADAPTOR**
Equivalent size to standard size switch module
The adaptor accepts all 500/600 series modules
Fits Cat 800G,800G2H and 800G2V only

## Audio modules

**815MB**
**STANDARD SIZE DUAL(RED AND BLACK) BANANA BINARY POST MODULE**
Accepts wired and ported terminal connections
Fits Cat 800G,800G2H and 800G2V only
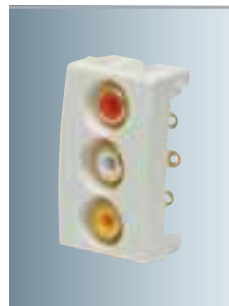
**840MRWY**
**STANDARD SIZE TRIPLE RCA MODULE**
(Red, white, yellow)
Fits Cat 800G,800G2H and 800G2V only

**840MRGB**
**STANDARD SIZE TRIPLE RCA MODULE**
(Red, green and blue)
Fits Cat 800G,800G2H and 800G2V only

# Modules

## Dimmer modules

Trailing edge dimmers are suitable for controlling incandescent globes, 240V halogen lighting, resistive loads and most ELV lighting supplied by electronic transformers.
Complies with standards AS/NZS3100, AS3133 and AS/NZS CISPR15:2002
EMC compliant

**824M**
**STANDARD SIZE TRAILING EDGE DIMMER MODULE**
Ratings: 230-240V ac 50Hz
Maximum load 400W
Minimum load 25W
Fits Cat 800G,800G2H and 800G2V only

Leading edge dimmers are suitable for controlling incandescent globes, 240V halogen lighting, resistive loads and most brands of ELV lighting supplied by wire wound (iron core) transformers to a maximum of 300W.
Complies with standards AS/NZS3100, AS3133 and AS/NZS CISPR15:2002
EMC compliant

**833M**
**STANDARD SIZE LEADING EDGE DIMMER MODULE**
Ratings: 230-240V ac 50Hz
Maximum load 300W resistive
240W LV lighting
Minimum load 30W
Fits Cat 800G,800G2H and 800G2V only

## Residual current device module (RCD)

RCD modules are available in 30ma tripping currents.
Can be connected for downstream socket protection
Complies with standards: AS/NZS 3100, AS/NZS 3190, AS/NZS 3121, AS/NZS 61008 clause 9.21 Type A residual current devices.

**896RCDM-30**
**RCD MODULE**
Ratings: 230-240V ac 50Hz
30ma tripping current
Maximum load 20A resistive
Unit remains latched in the event of voltage loss.
Fits Cat 800G,800G2H and 800G2V only

# Modules

## Socket outlet modules

Complies with standards: AS/NZS 3112, AS/NZS 3100, AS/NZS 3133,
Ratings: 230 - 240V a.c, 50Hz
Neon options available unless otherwise stated

## Switched socket outlet module

**894M**
**SINGLE SWITCHED HORIZONTAL SOCKET OUTLET 10A**
Fits Cat 800G,800G2H and 800G2V only

## Vertical integrally switched socket outlet modules

**891MA**
**SINGLE INTEGRALLY SWITCHED VERTICAL SOCKET OUTLET 10A**
No neon option available
Fits Cat 800G,800G2H and 800G2V only

**892MA**
**DOUBLE INTEGRALLY SWITCHED VERTICAL SOCKET OUTLET 10A**
Fits Cat 800G,800G2H and 800G2V only

## Horizontal integrally switched socket outlet modules

**894MA**
**SINGLE INTEGRALLY SWITCHED HORIZONTAL SOCKET OUTLET 10A**
No neon option available
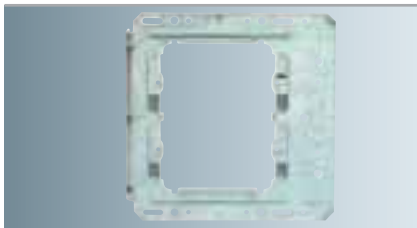Fits Cat 800G,800G2H and 800G2V only

**895MA**
**DOUBLE INTEGRALLY SWITCHED HORIZONTAL SOCKET OUTLET 10A**
Fits Cat 800G,800G2H and 800G2V only

# Mounting Plates

### 800FB2H
**METAL HORIZONTAL MOUNTING BRACKET**
Fits 800G2H only

### 800FB2V
**METAL VERTICAL MOUNTING BRACKET**
Fits 800G2V only

### 800WBC
**WALL BOARD CLAMP**
For retrofit applications where double grids are used
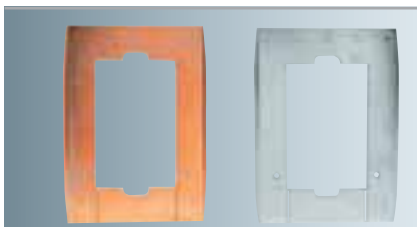Fits 800G2H only

# Accessories

## Module ejector

### 800ME
**MODULE EJECTOR**
Colour: White only
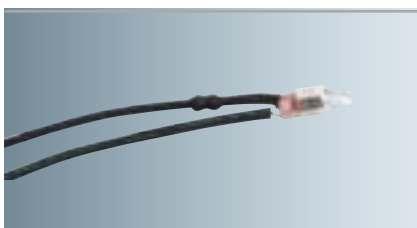For removing 500, 600 and 800 series modules from cat 800G, 800G2H, 800G2V and 800MA only.

## Decorative surrounds

The decorative surround is available in either Chrome(CM) or Copper(CU). For example to order a copper decorative surround order 800DSCU.

### 800DS
**DECORATIVE SURROUND**
Used in conjunction with Cat 800G

## Neon lamp

### 800N240
**NEON LAMP**
Voltage: 240V
Life: 60,000 hours
Current: 250mA
Lamp colour: Amber
Fits most 800 series sockets and switches

# 600 Series Modules

## Standard switch modules

Terminals accommodate: 4 x 1.5mm² cables each or 2 x 2.5mm² cables each.
The terminals of Cat 680M32 can also accommodate up to 2 x 6mm² cables each.

### 681M20
**SWITCH MODULE**
Ratings:  250V a.c., 50Hz,
          20A Resistive,
          20AX Highly Inductive,
          16AX Fluorescent,
          M60, 2-Way.

### 681M20P
**NORMALLY OPEN SWITCH MODULE**
Ratings: 250V a.c., 50Hz, 20A.
Spring return, 2-Way.
Rocker marked 'PRESS'.
681M20B
As for 681M20P but rocker marked
with 'BELL' symbol.
681M20R
As for 681M20P but rocker marked
'RESET'.

### 578M16
**INTERMEDIATE SWITCH MODULE**
Ratings:  230V - 240V a.c., 50Hz,
          16A Resistive,
          8AX Fluorescent and
          16AX Inductive.

### 680M20N
**NEON SWITCH MODULE**
Ratings: 250V a.c., 50Hz, 20A. 1-Way.
Neon flying leads can be
connected 'permanently on' or can be
connected to indicate when the switch
is 'on' or 'off'.

### 587M10
**DOUBLE POLE SWITCH MODULE**
Ratings:  230V - 240V a.c., 50Hz,
          10A Resistive and
          10AX Inductive.

### 681M20HWS
**HOT WATER SWITCH MODULE**
Ratings: 250V a.c., 50Hz,
20A Resistive rating only for hot water
system. 2-Way.
Rocker marked 'HWS'.
Available white only.

### 680M32
**SWITCH MODULE**
Ratings: 230V - 240V a.c., 50Hz.,
Single Pole, 1-Way,
32A Resistive, 25AX Inductive, M180.
3mm contact gap.
Terminals accommodate
2 x 6mm2 conductors.

680M32AC
Marked 'AIR CON'.
680M32H
Marked 'HOB'.
680M32I/O
Marked 'ON/OFF'.
680M32O
Marked 'OVEN'.
680M32R
Marked 'RANGE'.

# 600 Series Modules

## Switch modules with hinged lids



**581M16HF**
Ratings:  230-240V a.c., 50Hz,
16A resistive,
16AX inductive,
10AX fluorescent, 2-Way.

**581M16HFAL**
As for 581M16HF but with hinged,
protective lid marked 'ALARM'.

**581M16HFCL**
As for 581M16HF but available white
only with clear, hinged, protective lid.
Card supplied for ID purposes.



**581M16HFF**
As for 581M16HF but with hinged,
protective lid marked 'FRIDGE'.

**581M16HFMW**
As for 581M16HF but with hinged,
protective lid marked 'MICROWAVE'.

**581M16HFSE**
As for 581M16HF but with hinged,
protective lid marked 'SENSOR'.

## Dedicated switch modules

Ratings:  250V a.c., 50Hz, 20A Resistive,
20AX Highly Inductive,
16AX Fluorescent,
M60, 2-Way.



**681M20AC**
Marked 'AIR CON'.

**681M20A/M**
Marked 'AUTO/MANUAL'.

**681M20D**
Marked 'DINING'.

**681M20DR**
Marked 'DOOR'.

**681M20DW**
Marked 'DISHWASHER'.

**681M20DY**
Marked 'DRYER'.

**681M20F**
Marked 'FAN'.

**681M20FG**
Marked 'FRIDGE'.

**681M20F/R**
Marked 'FORWARD/REVERSE'.

**681M20G**
Marked 'GAS'.

**681M20GN**
Marked 'GARDEN'.

**681M20H**
Marked 'HEAT'.

**681M20HD**
Marked 'HOOD'.

**681M20HLF**
Marked 'HIGH/FAN/LOW'.



**681M20I/O**
Marked 'ON/OFF'.

**681M20L**
Marked 'LIGHT'.

**681M20LO**
Marked 'LOUNGE'.

**681M20MR**
Marked 'MIRROR'.

**681M20MW**
Marked 'MICROWAVE'.

**681M20O**
Marked 'OUTSIDE'.

**681M20PL**
Marked 'POOL'.

**681M20PU**
Marked 'PUMP'.

**681M20S**
Marked 'SPA'.

**681M20SE**
Marked 'SENSOR'.

**681M20ST**
Marked 'STAIRS'.

**681M20TV**
Marked 'TV'.

**681M20WH**
Marked 'WASH'.

**681M20WT**
Marked 'WASTE'.

# 600 Series Modules

## Illuminated modules

**510MN**
**ILLUMINATED MODULE**
Rating: 230V - 240V a.c., 50Hz.
Two terminals for direct
connection to neon.
Available with CLEAR, RED, GREEN,
AMBER or BLUE coloured lens.
Dedicated Option: Printed 'RCD ON'
and available in white only with
AMBER lens.

**510ML12**
**ILLUMINATED MODULE**
Rating: 12V a.c./d.c.
Available with CLEAR, RED, GREEN,
AMBER or BLUE coloured lens.
Module available white only.

**510ML24**
**ILLUMINATED MODULE**
Rating: 24V a.c./d.c.
Available with CLEAR, RED,
GREEN, AMBER or BLUE coloured
lens.
Module available white only.

**610TML24**
**ILLUMINATED MODULE**
Rating: 24V d.c.
Current draw: 20mA.
Red pinpoint LED illumination.
Terminals accommodate $0.5mm^2$ single
strand cables or $1mm^2$ multi-strand
cables.
Module available white only.

**666TML24**
**ILLUMINATED MODULE**
Rating: 24V d.c.
Current: 20mA
Red LED illumination visible from
any angle.
Terminals accommodate
$0.5mm^2$ single strand cables or
$1mm^2$ multi-strand cables.
Module available white only.

## Buzzer modules

**566MNCB**
**PIEZO BUZZER**
Rating: 24V d.c.
Current draw: 20mA.
Sound level: 90dB.
Nominal frequency: 3100 Hz.
Rated for continuous use.
Module available white only.

**666TMB24**
**PIEZO BUZZER**
Rating: 24V d.c.
Current draw: 20mA.
Sound level: 90dB.
Nominal frequency: 3100 Hz.
Rated for continuous use.
Terminals accommodate $0.5mm^2$
single strand cables or $1mm^2$
multi-strand cables.
Available in White only.

**1588M**
**BUZZER MODULE**
Rating: 240V a.c., 50Hz.
Terminal connection: flying leads.
Sound level 70dB.

Available in White only.

# 600 Series Modules

## Rotary switch modules

Terminals accommodate 4 x 1.5mm$^2$ cables each or 2 x 2.5mm$^2$ cables each.
Rating: 230V - 240V a.c., 50Hz, 16A.

**687M3**
**3-POSITION ROTARY MODULE**
0, 1, 2

**687M3A/M**
**3-POSITION ROTARY MODULE**
AUTO, OFF, MAN

**687M3I/II**
**3-POSITION ROTARY MODULE**
I, 0, II

**687M4**
**4-POSITION ROTARY MODULE**
0, 1, 2, 3

**687M4F**
**4-POSITION ROTARY MODULE**
0, 1, 2, 3
Dial marked 'Fan'.

## Tactile switch modules

**680TMPB**
**TACTILE SWITCH MODULE**
Rating: 24V d.c., 10mA.
        12V d.c., 50mA.
Momentary contact switch, normally open.

**680TMNPB**
**ILLUMINATED TACTILE SWITCH MODULE**
Rating:   24V d.c., 10mA.
          12V d.c., 50mA.
Momentary contact switch, normally open.
Separate terminals allow independent wiring of LED.
Available with RED or GREEN LED.
Module available white only.

## Fan speed control modules

**625C3M**
**3 SPEED 'NO HUM' CEILING SWEEP FAN CONTROL MODULE**
3 speed control for ceiling sweep fans up to 100VA.
Uses 2µF and 3µF capacitors to control fan speed.
The module is a two part unit requiring two module spaces.

**625C3/1M**
**3 SPEED 'NO HUM' CEILING SWEEP FAN CONTROL MODULE**
3 speed control for ceiling sweep fans up to 100VA.
Uses 1µF and 2µF capacitors to control fan speed.
The module is a two part unit requiring two module spaces.

# 600 Series Modules

## Push button switch modules

Terminals accommodate 4 x 1.5mm$^2$ cables each or 2 x 2.5mm$^2$ cables each.

### 581M16PBP
**PROTRUDING PUSH BUTTON MODULE**
N/O-N/C.
Ratings to AS1431 Pt. 1.
Insulation Voltage 500V a.c.
Operational Voltage 230V - 240V a.c., 50Hz.
Thermal Current 16A.
Operational Current 4A. 240V a.c.
Operational Current 2A. 415V a.c.

Utilisation Category AC 11.
Degree of Protection IP40.
Available with RED, WHITE or YELLOW button.

### 581M16PBS
**SHROUDED PUSH BUTTON MODULE**
N/O-N/C.
As for 581M16PBP but available with
RED, WHITE, GREEN or BLACK button.

### 581M16PBM
**MUSHROOM PUSH BUTTON MODULE**
N/O-N/C.
As for 581M16PBP but available with
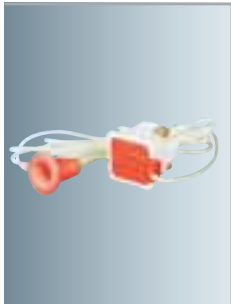RED, WHITE or GREEN button.

## Pull cord switch modules

Terminals accommodate 4 x 1.5mm$^2$ cables each or 2 x 2.5mm$^2$ cables each.
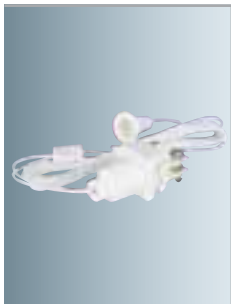
### 581M16PS
**PULL CORD SWITCH MODULE**
Rating: 230V - 240V a.c., 50Hz,
    16A Resistive,
    10AX Fluorescent and
    16A Inductive.
    1-Way/2-Way.
Module available white only.
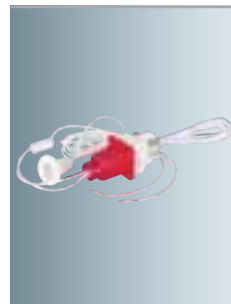
### 580M16NPS
**PULL CORD SWITCH MODULE WITH NEON**
Rating: 230V - 240V a.c., 50Hz, 16A.
1-Way.
White module with outer body red
transparent.
Neon flying leads can be connected
'permanently on' or can be connected to
indicate when the switch is 'on' or 'off'.

### 573MM
MOMENTARY CONTACT
PULL CORD SWITCH MODULE
Rating: 24V, 12A.
N/O - N/C.
White module with red button and
actuator.

## Permanent connection module

Terminals accommodate 4 x 1.5mm$^2$ cables each or 2 x 2.5mm$^2$ cables each.

### 551M2
**PERMANENT CONNECTION MODULE**
Rating: 230V - 240V a.c.,
50Hz, 16A.
'Bell Mouth' cable entry accommodates
flexible cords up to 10mm diameter.

# 600 Series Modules

## Blank modules

### 500B
**BLANK MODULE**
500BST
Marked 'START'.
Module available white only.
500BSP
Marked 'STOP'.
Module available white only.
500BESP
Marked 'EMERGENCY STOP'.
Module available white only.

### 500ID
**BLANK MODULE FOR CIRCUIT ID**
Module comes with blank label for printing appliance details or circuit identification. A clear, clip-on cover protects the label.

## Communication modules

### 617M2
**BT OUTLET JACK**
Two-wire outlet for two-wire installations.
IDC connections.
Two-wire outlets are not compatible with three-wire systems.
Approved to Telepermit PTC 223.

### 500TT
**IDC TERMINATING TOOL**
For use with Cat 617M2, 518M and 519M6.

Available white only.

### 518M
**BT OUTLET JACK**
IDC connections.
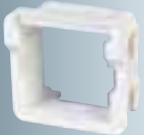For secondary connections.

Available white only.

### 619MD
**DATAPLUS CAT 6 RJ45 MODULE**
IDC connections.
Data and voice connection.
Compliant to category 5, EIA-568.
Allows for both 568A and 568B wiring options.

Available in white or black only.

# 600 Series Modules

## Communication modules

### 519M6
**FCC 6-WAY OUTLET JACK**
IDC connections.
For secondary connections.

### 619MDL
**DATAPLUS CAT 6 RJ45**
**MODULE WITH HINGED LID**
As for 619MD but with hinged, gravity lid to facilitate circuit identification and protect data socket from dust when not in use.

### 619MKC
**DATA JACK ADAPTOR MODULE**
Accepts Cat 5 RJ45 data jacks in the Keystone form from Krone, Amp, Hubbell, Suttle, HPM or Dataplus.

### 619MALC
**DATA JACK ADAPTOR MODULE WITH HINGED LID**
As for 619MAC but with hinged, gravity lid to facilitate circuit identification and protect data socket from dust when not in use.

### 619MKLC
**DATA JACK ADAPTOR MODULE WITH HINGED LID**
As for 619MKC but with hinged, gravity lid to facilitate circuit identification and protect data socket from dust when not in use.

### 619MM
**DATA JACK ADAPTOR MODULE**
Accepts Cat 5 RJ45 data jacks from Modtap.

### 528M
**COAXIAL CABLE CONNECTION SOCKET**
Rating: 75 Ohm.
PAL type socket marked 'TV'.
Clamp terminals.
528MI
PAL ISOLATED MODULE
Rating: 75 Ohm.
PAL type socket marked 'TV'.
Cable connection coaxial socket module.
Mains isolated for
240V a.c. For safety in hazardous environments.
529M
As for 528M but marked 'FM'.

### 528MF
**COAXIAL CABLE SOCKET WITH REAR 'F' CONNECTION**
Rating: 75 Ohm.
PAL type socket with 'F' connect in rear.
Marked 'TV'.
528MFI
As for 528MF but marked 'IN'.
528MFO
As for 528MF but marked 'OUT'.
528MFS
As for 528MF but marked 'SKY'.
528MFV
As for 528MF but marked 'VIDEO'.

### 619MAC
**DATA JACK ADAPTOR MODULE**
Accepts Cat 5 RJ45 data jacks from AT&T and Suttle.

### 516M
**BNC SOCKET**
Rating: 50 Ohm.
Solder terminals.

# 600 Series Modules

## Communication modules

**540M**
**RCA AUDIO**
**CONNECTION SOCKET**
Solder type terminals.
Available in red (RD), black (BK),
yellow(YL), green (GN), blue (BU),
white (WH)

**615MF**
**'F' TYPE CONNECTOR MODULE**
'F' Female/Female through connector.
615MFTV
As for 615MF but marked 'TV'.

**615MBB**
**BANANA BINERY POST**
Rating: 12V - 250V a.c., 10A.
Suits standard banana plug.
Accepts wire and forked terminal
connections.
Black band.
615MRB
As for 615MBB but with a red band.

**615MST**
**'ST' TYPE FIBRE OPTIC**
**CONNECTOR MODULE**
'ST' multi-mode through connector.
Comes with two yellow dust covers
in place.

## Segregation accessories

**680S**
**MODULE SHROUD**
Flame retardent material.
Insulates up to 3000V.
Suits all 500 Series and
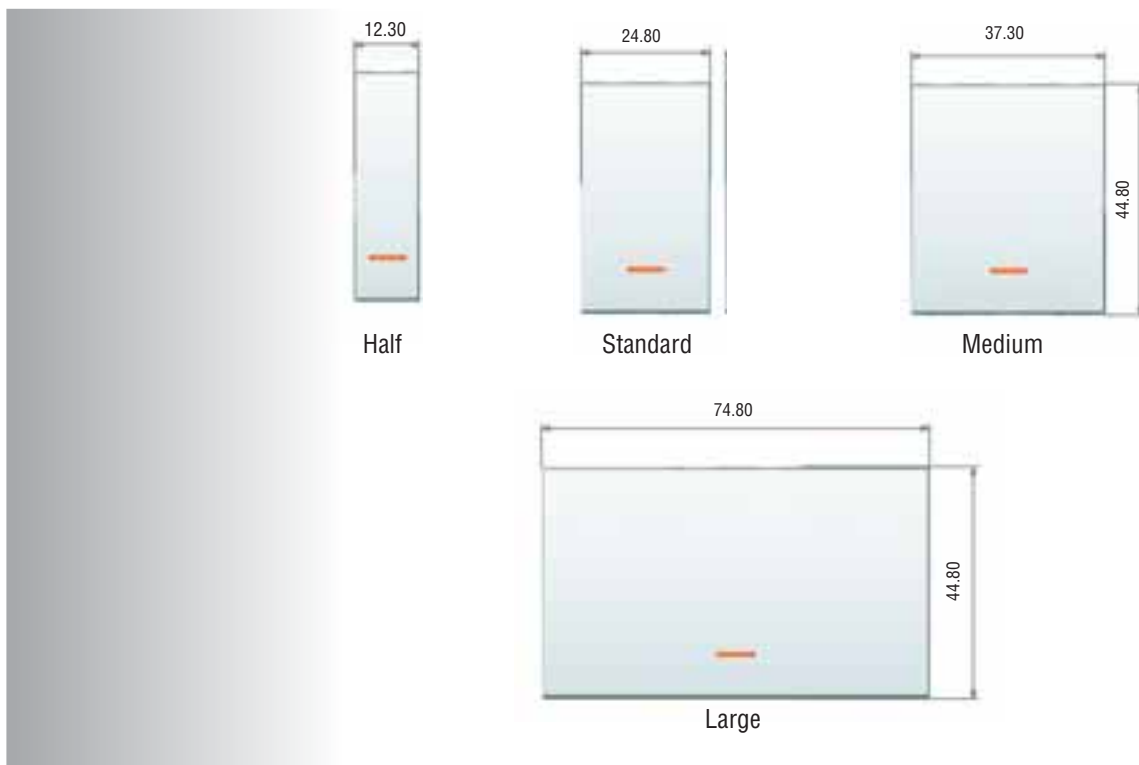600 Designer Series modules.
Available grey only.

**146S**
**SHROUD**
Fits cat 144, 146H, 146V, 148H, 148V,
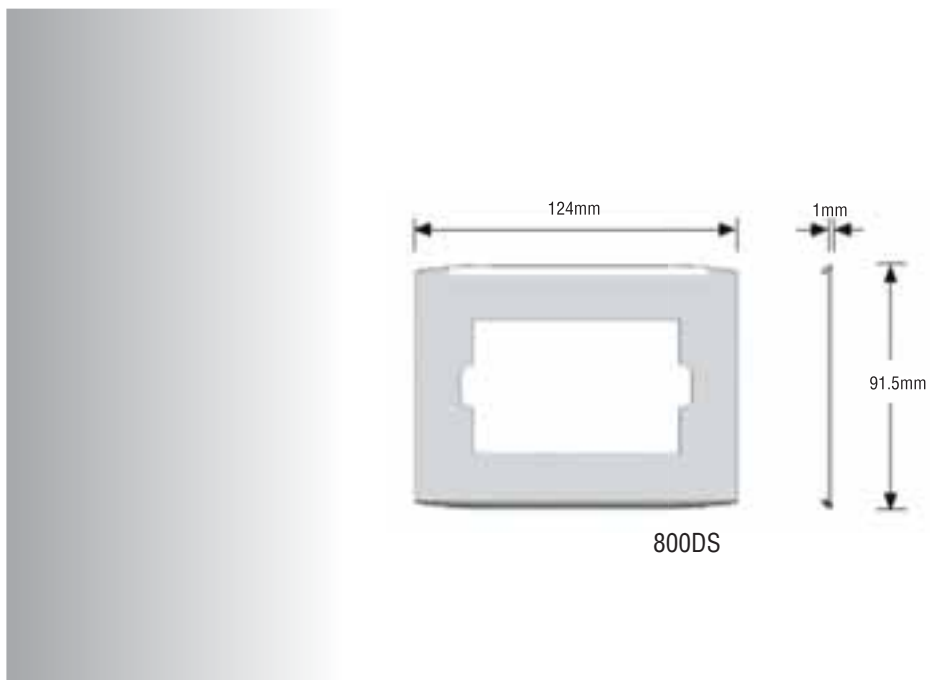800FD2H & 800FB2V
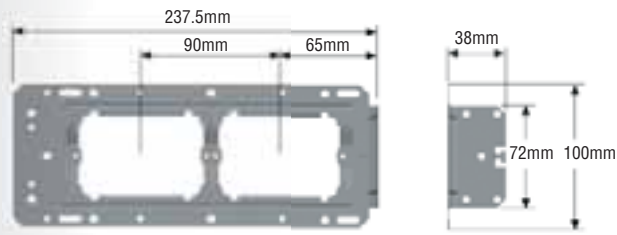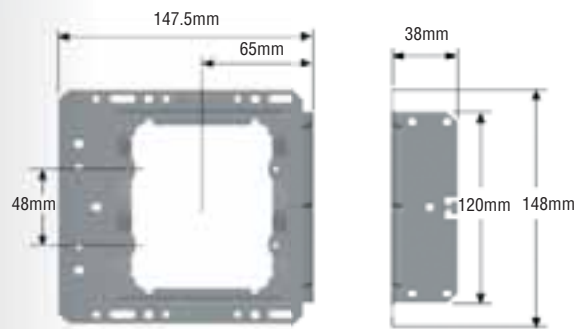
23

# Dimensional Drawings

## Switch modules



| | | |
|---|---|---|
| 12.30 | 24.80 | 37.30 |
| | | 44.80 |
| Half | Standard | Medium |

74.80

44.80

Large

## Decorative surround



124mm   1mm

91.5mm

800DS

# Dimensional Drawings

## Mounting plates

800FB2H Double Horizontal
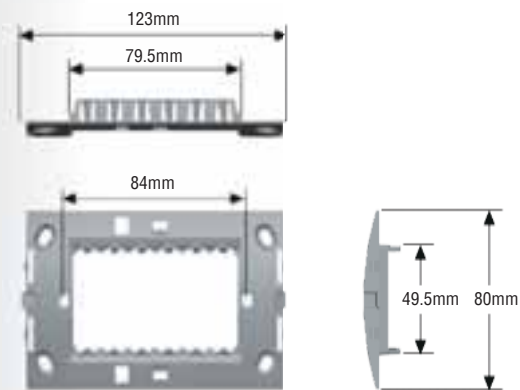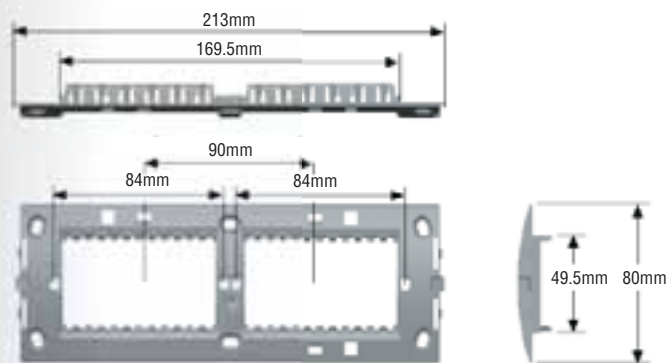
237.5mm
90mm
65mm
38mm
72mm 100mm

800FB2V Double Vertical

147.5mm
65mm
38mm
48mm
120mm 148mm

## Grid plates

800G

123mm
79.5mm
84mm
49.5mm 80mm

800G2H Double Horizontal

213mm
169.5mm
90mm
84mm
84mm
49.5mm 80mm

# Dimensional Drawings



123mm
79.5mm
84mm
48mm
97.5mm 128mm

800G2V Double Vertical

## Plastic surrounds



124mm
9mm
85mm

800PS



214mm
9mm
85mm

800PS2H



124mm
9mm
133mm
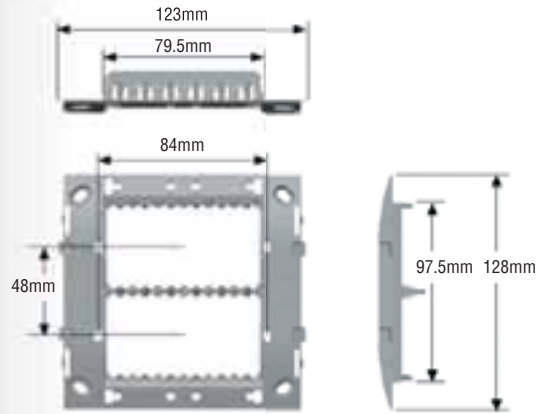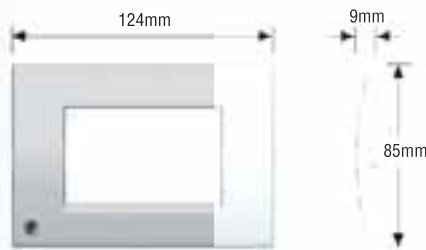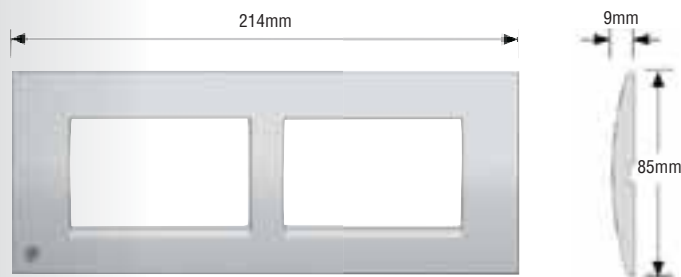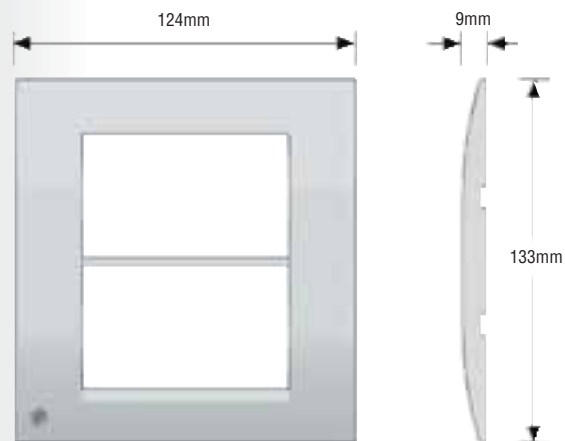
800PSV

# Wiring Diagrams

**860M16** one way switch module

Power Available
(Neon Permanently On)

N

Loop
Terminal

A/P

Neon wires

Load

Switch On Indication
(Neon On, Switch On)

N

Loop
Terminal

A/P

Neon wires

Load
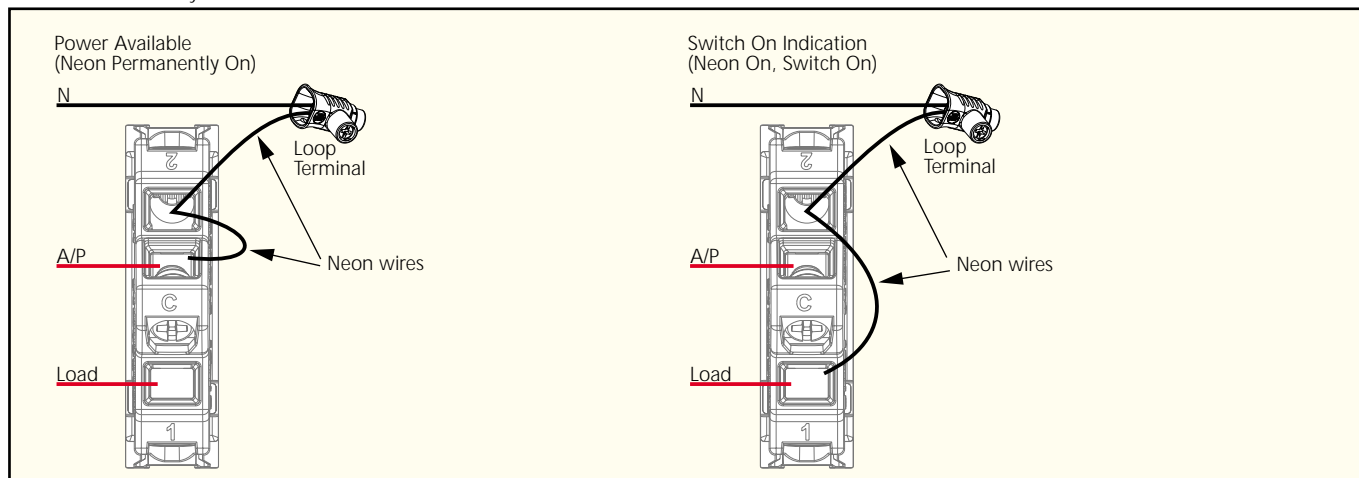
**861M16** two way switch module

Normal Operation

N

A/P

Load

Note: Neon option not available

2 Way Switching

A/P

Load

N

2 Way Switching

LOAD

A/P
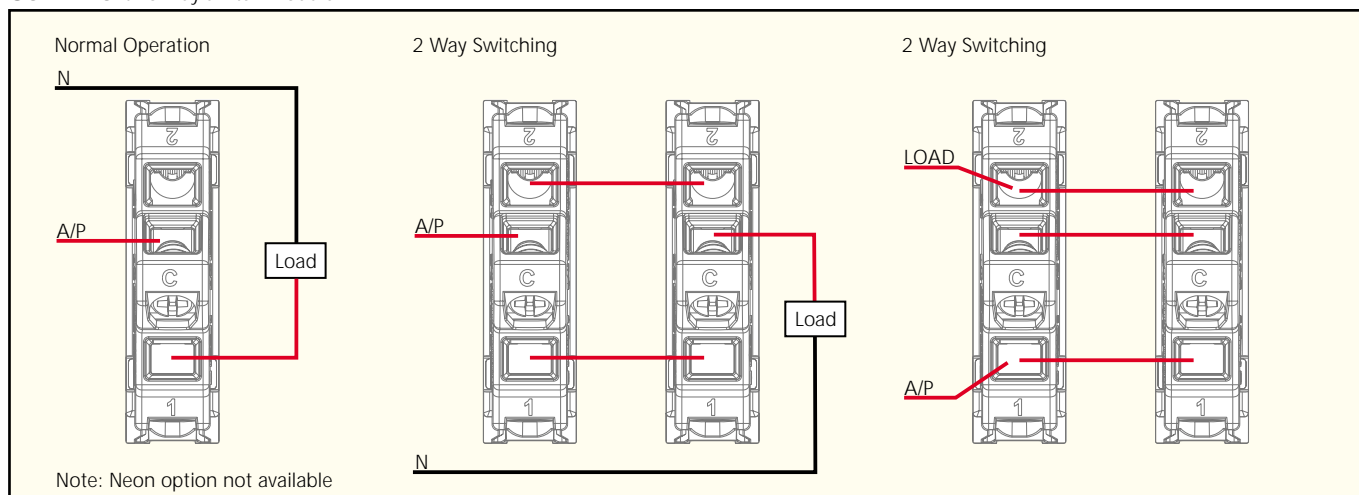
**881M16SP** (PRESS) two way spring return switch module

Normally Closed (Terminal 2)

N

Load

A/P

Normally Open (Terminal 1)

A/P

Load

N

Note: Switches can also be fitted with neons, see instructions as per 881M16S
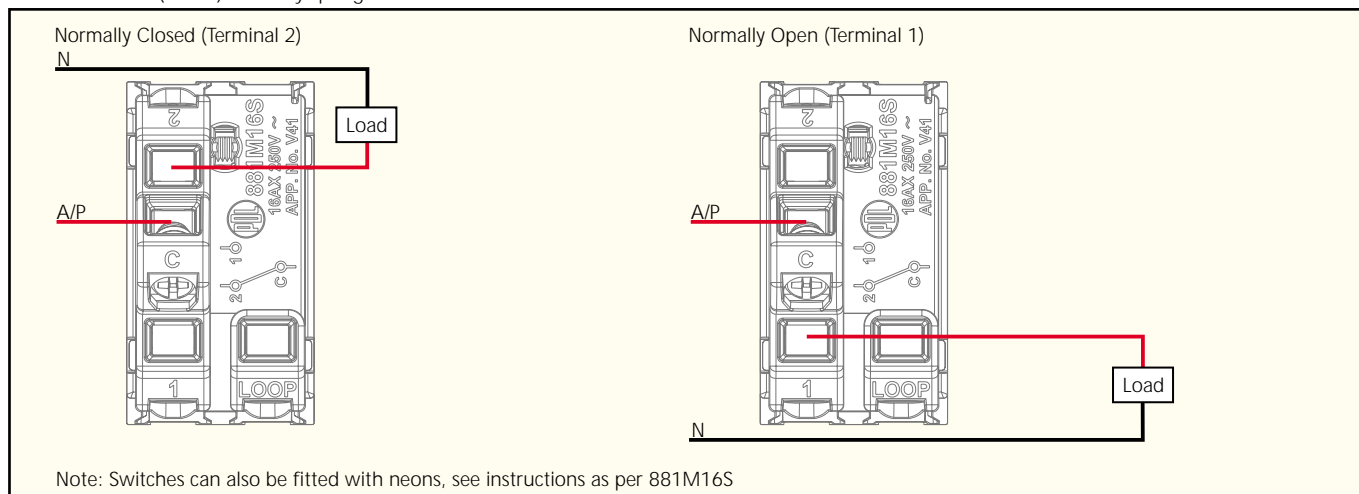
# Wiring Diagrams

**882M10N** two way DP switch module with neon

| Power Available (Neon Permanently On) | Switch On Indication (Neon On, Switch On) | Switch Locator (Neon On, Switch Off) |
|---|---|---|

A/P, N, C2, C1, 3, 1, Load, Neon wires

Note: Neon is factory fitted and is not replaceable. Neon does not have to be connected if not wanted.
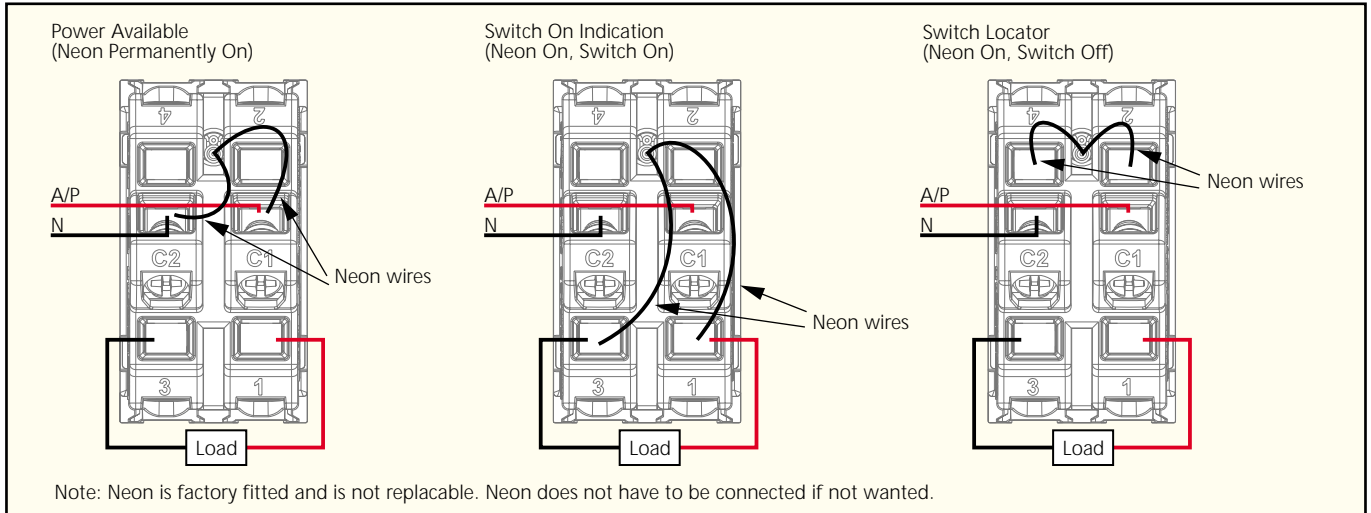
**881M16S/881M16M/881M16L** two way switch modules with loop

| Power Available (Neon Permanently On) | Switch On Indication (Neon On, Switch On) | Switch Locator (Neon On, Switch Off) |
|---|---|---|

A/P, LOAD, N, C, LOOP, Neon wires
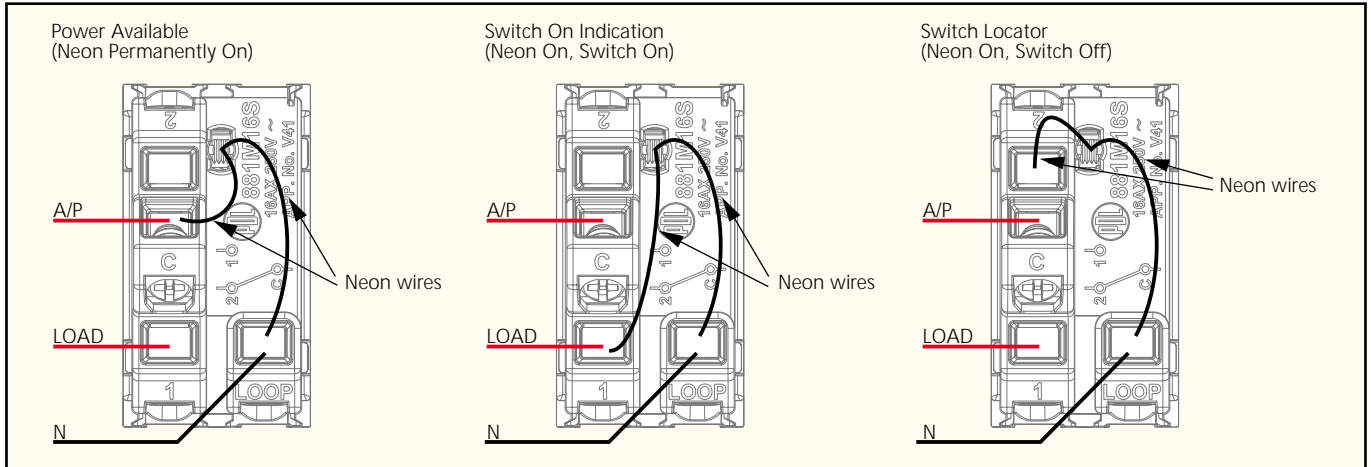
**882M10N** intermediate switch module

N, A/P, C, LOOP, Load, Loop wires

881M16S        882M10N        881M16S

Any number of intermediate switches can be wired between the 2 way switches
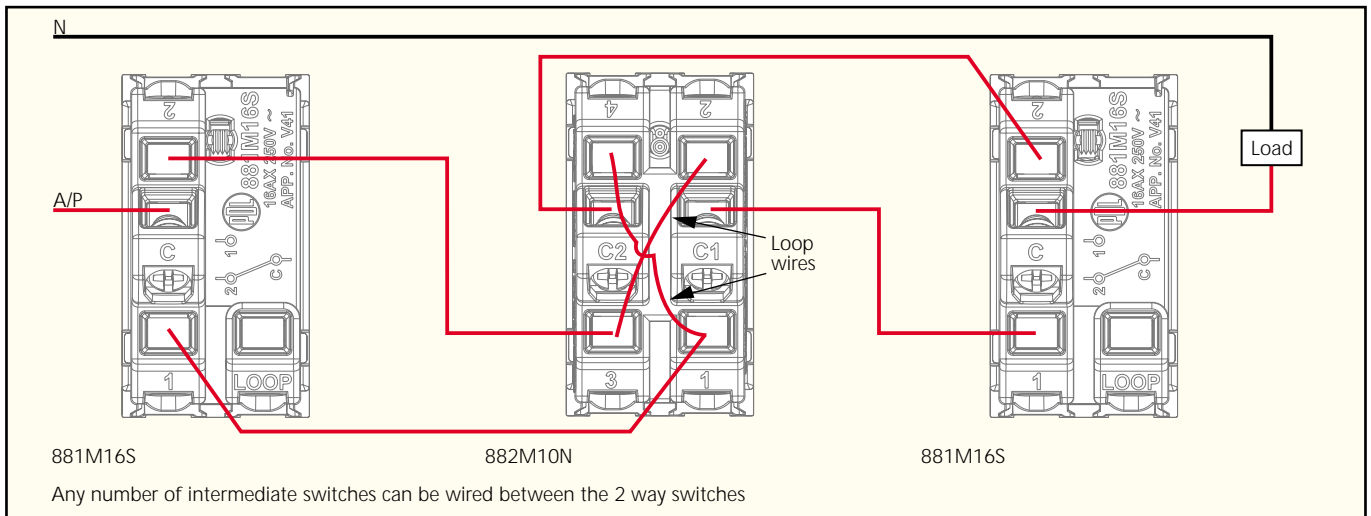
# Wiring Diagrams

**881M16S** master switching for security
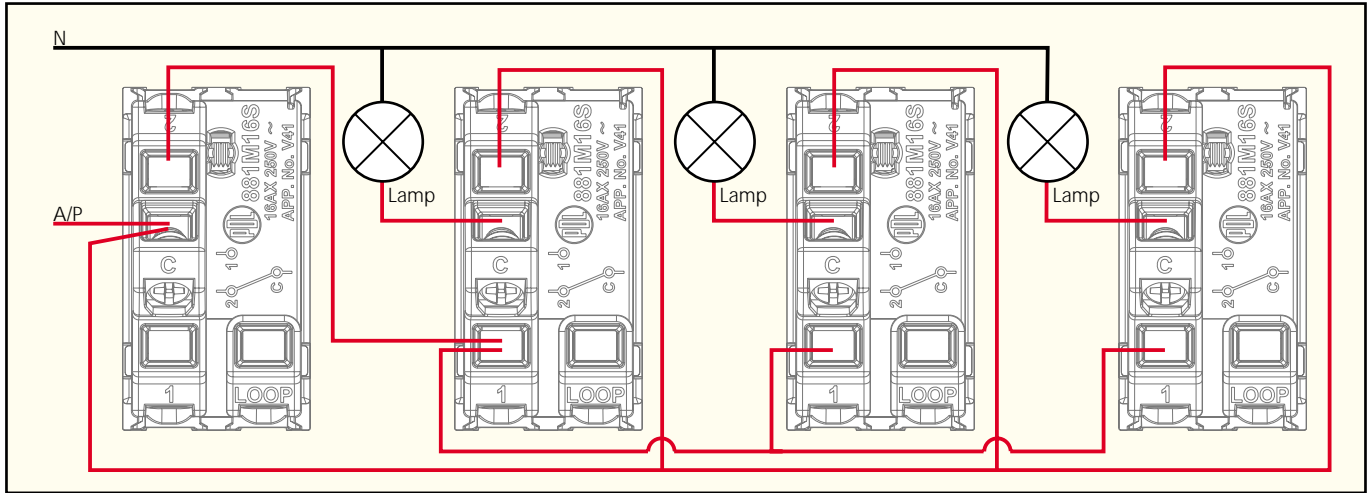


**892A/895A** 2 gang integrally switched sockets



Power Available
(Neon Permanently On)

Switch On Indication
(Socket Live)

Switch On Indication
(Socket Live)

Neon wires

Diagram shows 895A
Wiring also applies to 892A

Diagram shows 895A

Diagram shows 892A
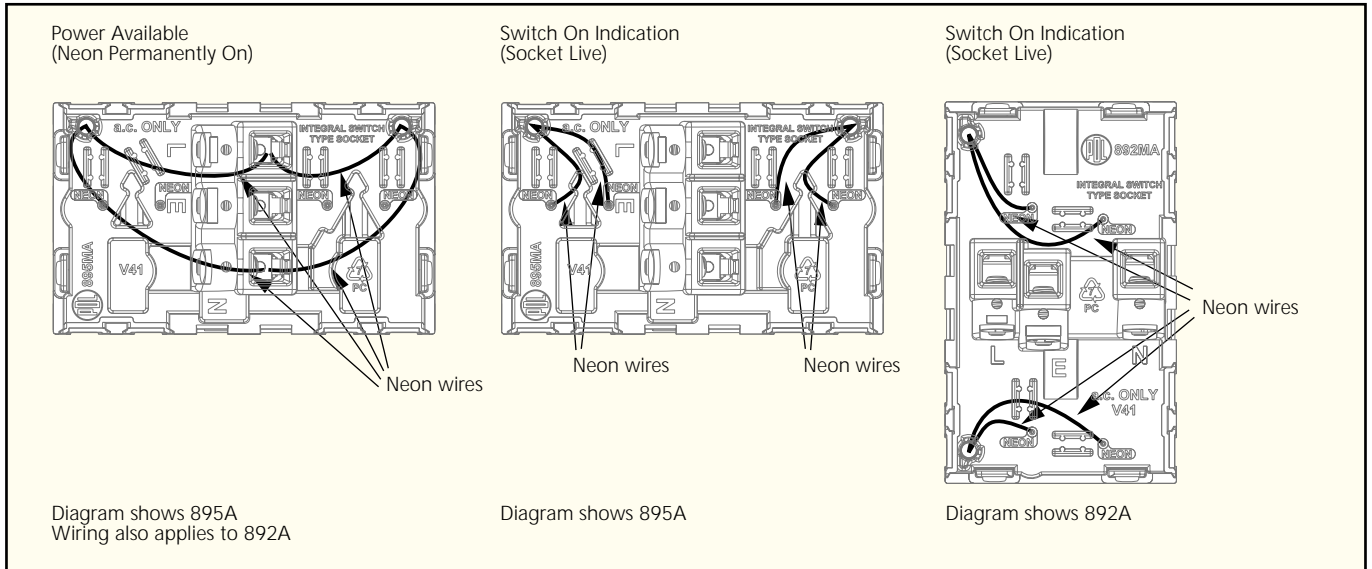
**891A** 1 gang vertical socket



Switched Socket
(Socket Controlled By Switch)

Integrally Switched Socket
(Not Controlled By Switch)

Loop
wire

Loop
wire

Load

Switch can be used for
controlling other load
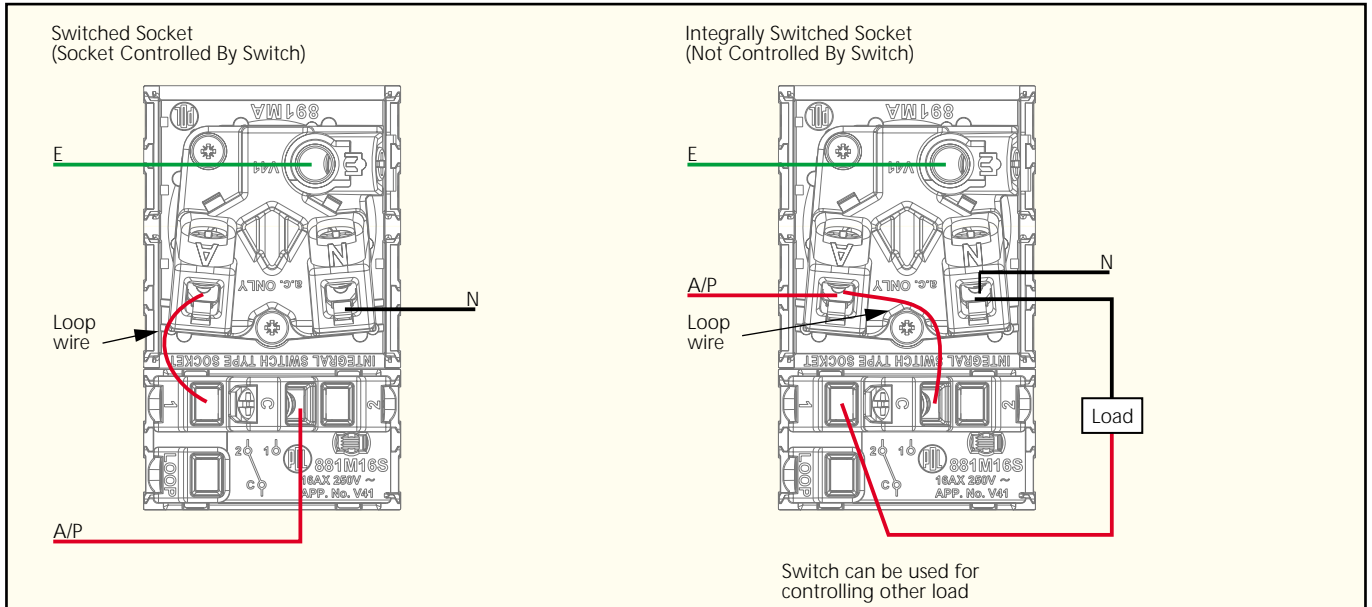
# Wiring Diagrams

**896RCD-30** RCD protect outlets

896RCD

Socket Outlet

Socket Outlet

E

A/P

N

Diagram shows 892A
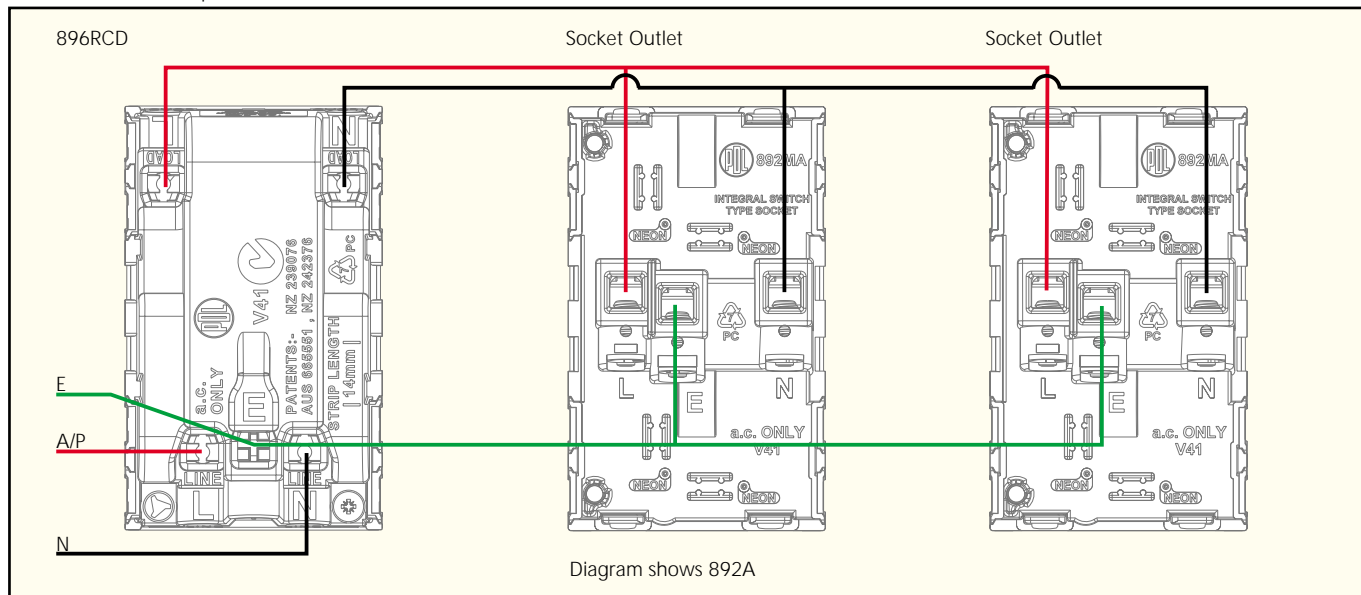
**894** 1 gang horizontal switched socket

Power Available
(Neon Permanently On)

Switch On Indication
(Neon On, Switch On)

Neon wires

Neon wires
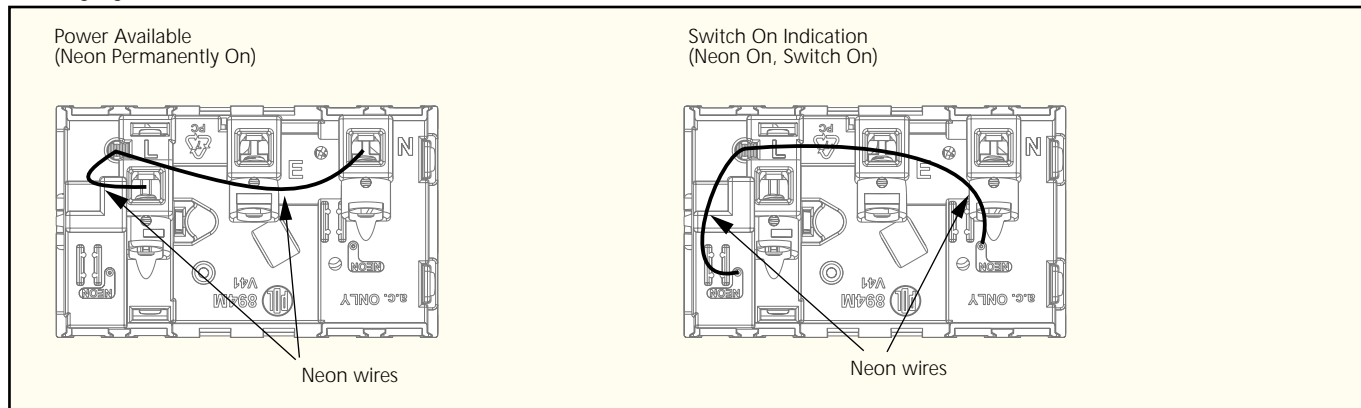
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