

weatherprotected



accessories



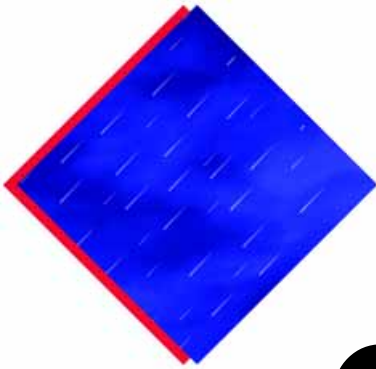
technical data

Switches, Sockets and Enclosures

weatherprotected



accessories



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BRILLIANT WET WEAT

weatherprotected

accessories

In wineries, factories, on exterior walls, illuminated signs or around swimming pools, anywhere switchgear needs protection from water, Clipsal's Weatherprotected accessories do the job beautifully.

The sturdy range is impact and corrosion resistant, and in most cases incorporates standard Clipsal switches and sockets.

The flush mounting models fit direct to standard pattern mounting accessories.



OTHER PERFORMANCE



International Protection Ratings

Clipsal Weatherprotected accessories comply with the International Protection (IP) Designation System of Australian Standard AS1939 as well as other relevant SAA specifications.

These ratings include:

IP56 - Dust protected and Hoseproof.

IP53 - Dust protected and Weatherprotected.

Specific rating of individual products is shown in the product listing. The complete range of IP Ratings are shown on page 20.



WEATHERPROTECTED FLUSH SWITCHES

The impact resistant flush mounting weatherprotected switches are designed to fit standard pattern mounting accessories with 84mm mounting centres (as listed in the Mounting Accessories section).

Flush plates measure 115 x 73mm unless specified otherwise. Overall height from mounting face is 24mm.

Single and Two Gang models are available. Conventional Clipsal 60 Series switch mechanisms are used and are marked ON and OFF.

They come complete with a weatherseal gasket and a mechanism shroud for additional protection. For maximum weather protection the cable entry in the shroud should face downward.

Standard configuration is horizontal but by removing the mechanisms and dolly slides and replacing at 90°, vertical mounting is possible.

All units are designed for general outdoor lighting e.g. gardens, tennis courts, carports and illuminating signs.

Products are Authority approved and comply with AS1939 'Degrees of Protection' and all relevant tests specified in AS3133 and AS3100. Mines and Energy South Australia Approval S/1.

Standard colours are White, Brown and Grey.



WSF226



WSF226/2

Products Available		IP Rating
WSF226	15A 250V 1 way/2 way flush mounting Single Gang Switch with looping terminal. M Rating 50.	54
WSF226N	15A 250V Single Gang with neon indicator.	54
WSF226/20	20A 250V Single Gang. M Rating 63.	54
WSF226/2	15A 250V 1 way/2way flush mounting, Two Gang Switch with looping terminals. M Rating 50.	54
WSF226/2N	15A 250V Two Gang with Neon indicators.	54
WSF226/20/2	20A 250V Two Gang. M Rating 63.	
Base Projection - 26mm Terminal Detail - 1 way/2 way and looping terminal Terminal Bore - 4.1mm Maximum Cables - 3 x 2.5mm ²		

WEATHERPROTECTED TIME DELAY SWITCH

This product is primarily designed for settings up to 10 minutes, but with care, longer delays of up to 20 minutes may be attainable. The factory setting is approximately 2 minutes.

This time switch operates on the air bleed principle and therefore it is not possible to calibrate it too exactly. The timing will vary slightly with manufacturing tolerances, air temperatures, relative humidity, and barometric pressure.

It is ideal for timed operation of lighting, fans etc., from switch points exposed to the elements. A sturdy neoprene boot protects the timer mechanism and a gasket is included to seal between the flushplate and mounting surface.

The 319HP fits all 84mm centre mounting accessories. Standard operation N.O. (N.C. also available).



319HP

Please Note: Rotate the control knob carefully and in very small increments as overtightening will damage the tapered valve.

Products Available		IP Rating
319HP	10A 250V standard pattern flush mounting time delay switch. M Rating 40.	65
Base Projection - 32mm Terminal Detail - 1 way plus looping terminal Terminal Bore - 3.7mm Maximum Cables - 2 x 2.5mm ²		

WEATHERPROTECTED SURFACE SWITCHES

WS226 Series

The impact resistant WS226 Series Surface Mounting Switches measure 83 x 83mm. Overall height is 57mm.

General applications include outdoor lighting, illuminated signs etc.

Each switch is supplied with a Surface Mounting Box. A neoprene 'O' ring ensures perfect sealing between the plate and box.

There are ample entries in the base. Two 25mm plain, one 20mm plain and one 20mm screwed entry as well as one 25mm rear entry for back wiring.

The parts pack includes conduit plug, screw caps and a 563/2 connector. Screw caps must be fitted to ensure IP Rating.

Mines and Energy South Australia Approval S/1.

Standard colours are White, Grey and Brown.

WSR Series

WSR Series switches are designed to fit 240 Series conduit boxes.

Flush plate diameter is a compact 70mm while the overall height from the mounting face is 25mm. The WSR226 comes complete with a weatherseal gasket and a mechanism shroud for additional protection. For maximum weather protection the cable entry in the shroud should face downward.

Products are Authority approved and comply with AS1939 'Degrees of Protection' and all relevant tests specified in AS3133 and AS3100.

Mines and Energy South Australia Approval S/1.

Standard colours are White and Grey.



WS226



WS226/2



WSR226

Products Available		IP Rating
WS226	15A 250V Single Gang. M Rating 100.	56
WS226D	15A 250V Single Gang Double Pole. M Rating 90.	56
WS226I	10A 250V Intermediate.	56
WS226N	15A 250V Single Gang with Neon Indicator.	56
WS226/20	20A 250V Single Gang. M Rating 100.	56
WS226/20/N	20A 250V Single Gang with Neon Indicator.	56
WS226/2	15A 250V Two Gang.	56
WS226/2N	15A 250V Two Gang with Neon Indicators.	56
WS226/20/2	20A 250V Two Gang. M Rating 63.	56
WSR226	15A 250V Single Gang. M Rating 100.	55
WSR226/20	20A 250V Single Gang. M Rating 100.	55
WS229VH	Enclosure only.	66
WS229	15 Amp. 1 way/2 way Switch.	66

Base Projection - 24mm
Terminal Detail - 1 way/2 way plus looping terminal (Double pole and intermediate versions accepted)
Terminal Bore - 4.1mm
Maximum Cables - 3 x 2.5mm²



WS229

WS229 Series

The most compact and versatile weatherproof switch available is the WS229.

The enclosure has 20mm knock out entries on two sides for surface cabling, and one in the rear for back wiring. A highly durable UV stabilised membrane covers an aperture that accepts any 30 Series mechanism but

excludes dust and moisture to IP66.

It is available standard with a 15A mechanism or as an enclosure only to allow for other mechanism requirements.

Mines and Energy South Australia Approval S/1.

Standard colours are White & Grey.

WEATHERPROTECTED PUSH-BUTTON CONTROL STATIONS

Clipsal offer three STOP-START stations, all ruggedly built and practical.

Ideal in dusty or dirty conditions for controlling motor starters on all types of equipment.

The Mounting Box dimensions are 88mm high and 78mm wide overall height is 64mm. Each switch is supplied with a neoprene 'O' ring to ensure perfect sealing. The base includes three 20mm plain entries and two 20mm screwed entries. There are also cut outs in the base to allow for back wiring. The base also includes fixed earth terminals.

All mechanisms offer both N.O. and N.C. terminals and are rated at 440V.

Mines and Energy South Australia Approval S/1.

Standard colours are Grey and White.



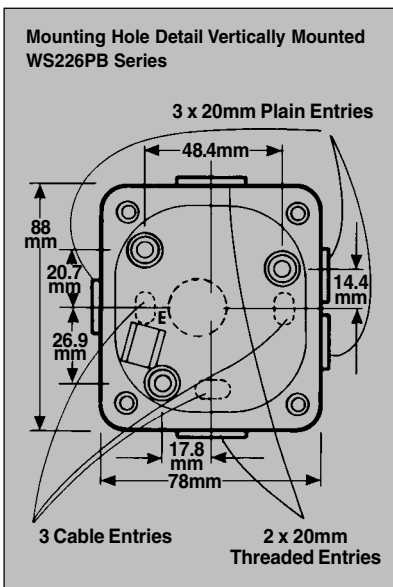
WS226PB



WS226PBS



WS226/2PB



Products Available		IP Rating
WS226PB	10A 440V N.O./N.C. Single Mechanism with green neoprene button marked PRESS. M Rating 40.	66
WS226PBS	10A 440V N.O./N.C. Single Mechanism with plate marked STOP and Red neoprene button marked PRESS. M Rating 40.	66
WS226/2PB	10A 440V N.O./N.C. Two Mechanism STOP-START station. Prominent red neoprene STOP button. Green START button. Plate marked STOP and START. The red STOP button is raised well above the START button to comply with appropriate industry requirements. M Rating 40.	66
<p>Mechanisms Terminal Detail - N.O./N.C. Terminal Bore - 4.1mm Maximum Cables - 3 x 2.5mm²</p> <p>Fixed Earth Terminal Terminal Bore - 5.7mm Maximum Cables - 4 x 2.5mm²</p>		

WEATHERPROTECTED ISOLATING SWITCHES

The WHS/WHT Series of Weatherprotected Isolating Switches is a robust range of switches suitable for virtually any external application.

Included in the range are single, double and triple pole switches from 20 to 80 Amps. The base mounted mechanism provides for easier termination and more wiring room. Switch dimensions are 165mm x 82mm with an overall height of 85mm.

Fixed Earth and Neutral connector bars with dual clamping screws per tunnel provide equal stripping lengths and secure clamping for all cables. Terminal bore size is 5 x 6.6mm.

A safety feature for mounting switches to metal structures is the insulating caps that cover base

mounting screws to totally protect them from any live cables.

Dual 25mm screwed conduit entries top and bottom (up to 55 amp.) allows four ways to surface wire the switch. 55 amp. and above are also available with 32mm entries top and bottom.

1. Cables looped in and out from overhead.
2. In and out from underground.
3. In and out straight through the switch.
4. Two 25mm rear knockouts are moulded in the base for surface mounting with concealed wiring.

Each unit is supplied with screwed conduit plugs and screwed reducers for easy connection to 25mm or 20mm conduits and screw caps. Screw caps must be installed to ensure IP Rating.

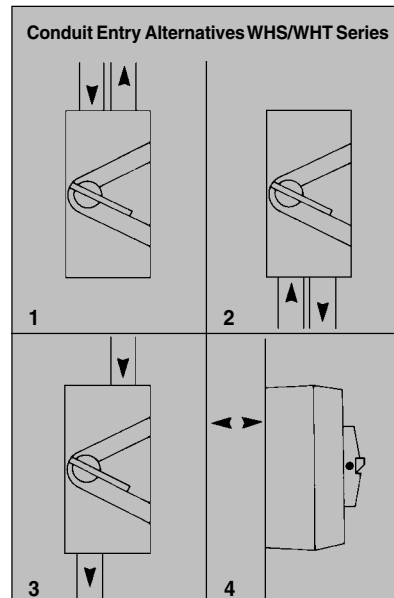
The Impact Resistant base and cover will survive the hardest knocks in almost any installation. The two sections are sealed with a one piece weatherseal gasket.

For security, a 7mm diameter hole is provided for padlocking the lever in the OFF position. Deep moulded barriers protect the operating lever from physical abuse or accidental switching.

Clipsal No 9 Series 'Identicaps' will fit all screw holes for circuit identification. All units are approved to AS3947-3 AC22.

Mines and Energy South Australia Approval S/1.

Standard colours are Grey & White.



Dual 25mm screwed conduit entries top and bottom (up to 55 amp.) allows four ways to surface wire the switch.

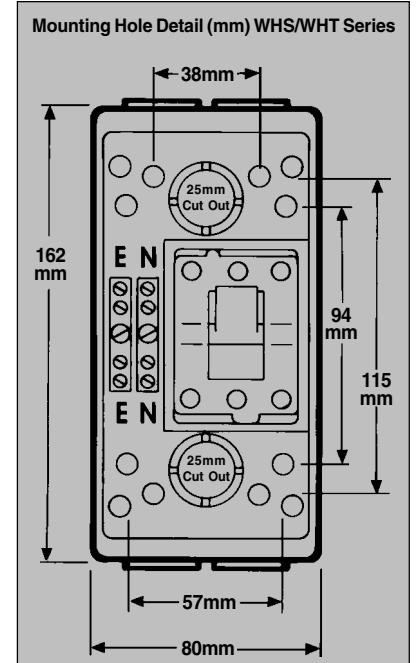


WHS20

Products Available		IP Rating
WHS20	20A 250V Single pole surface switch. Terminals accommodate 16mm ² cable. M Rating 220.	56
WHS35	35A 250V Single pole. Terminals accommodate 16mm ² cables. M Rating 220.	56

Products Available - Double Pole		IP Rating
WHD20	20A 440V Double Pole. Terminals accommodate 16mm ² cable. M Rating 180.	56
WHD35	35A 440V Double Pole. Terminals accommodate 16mm ² cable. M Rating 180.	56
WHD63	63A 440V Double Pole. Terminals accommodate 25mm ² cable. M Rating 160.	56

Products Available - Triple Pole		IP Rating
WHT20	20A 440V Triple Pole. Terminals accommodate 16mm ² cable. M Rating 180.	56
WHT35	35A 440V Triple Pole. Terminals accommodate 16mm ² cable. M Rating 180.	56
WHT55	55A 440V Triple Pole. Terminals accommodate 25mm ² cable. M Rating 160.	56
WHT55/32	55A 440V Triple Pole. With a 32mm conduit entry at each end. Terminals accommodate 25mm ² cable. M Rating 160.	56
WHT63	63A 440V Triple Pole. With a 32mm conduit entry at each end. Terminals accommodate 25mm ² cable. M Rating 160.	56
WHT80	80A 440V Triple Pole. With a 32mm conduit entry at each end. Terminals accommodate 25mm ² cable. M Rating 150.	56



WEATHERPROTECTED JUNCTION BOX

The Clipsal Junction Box enables the termination of cables on exterior walls to be easily and efficiently accomplished.

Two single screw (563/1) and one two screw (563/2) insulated connectors are supplied. For conduit wiring, two screwed 20mm and three plain 20mm entries with removable plugs are supplied.

A 5.7mm bore Earth Terminal is fixed in the impact resistant mounting box. The box matches Clipsal WS226PB Series Weatherprotected Push-Buttons.

Mines and Energy South Australia Approval S/1.

Standard colours are Grey & White.



Products Available		IP Rating
W226JB	Junction Box. The unit measures 88 x 78mm and the overall height is 53mm. Mounting details are the same as WS226PB Series.	66

WEATHERPROTECTED SWITCHED SOCKETS

Designed to complement the Clipsal range of Weatherprotected Switches, these sockets are ideal 'all weather' units.

Surface Switched Sockets

Both Single and Twin Gang Outlet models are available. An extra switch variation is also available in the Twin Outlet model. The single unit features an all-in-one switch socket mechanism which eliminates the usual forest of wires looping switch and socket. The mounting base comes standard with one 25mm screwed conduit entry and four 25mm plain conduit entries. There are also two 25mm cut outs in the base to provide for back wiring. Entry plugs, fixing screw caps and caps for cover mounting screws are provided. Screw caps must be in place to ensure maximum IP Rating.

All outer mouldings are impact resistant. Overall dimensions fully assembled are 78mm x 121mm. Height from wall is 83mm. Outlet terminals accommodate 4 x 2.5mm² cables.

Mines and Energy South Australia Approval S/1.

Available in Grey, White or Brown.



WSC227/1

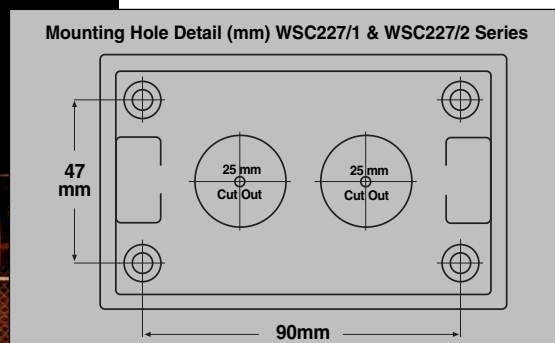


WSC227/2



WSC227/2X

Products Available		IP Rating
WSC227/1	10A 250V Surface Mounting Single Switched Socket.	53
WSC227/1/15	15A 250V Surface Mounting Single Switched socket.	53
WSC227/2	10A 250V Surface Mounting Twin Switched Socket.	53
WSC227/2/15	15A 250V Surface Mounting Twin Switched Socket.	53
WSC227/2X	10A 250V Surface Mounting Twin Switched Socket with extra 10A switch.	53
WSC227/2X15	15A 250V Surface Mounting Twin Switched Socket with extra 10A switch.	53



Flush Mounted Switched Sockets

The surface range of switched sockets is also available in flush mounting. These models have a shallow Mounting Box for back wiring and a mechanism shroud for additional protection. They will also mount directly onto mounting accessories such as brackets and wall boxes.

Fixing screw caps and caps to cover mounting screws are provided. Screw caps must be in place to ensure maximum IP Rating.

Overall dimensions fully assembled with shallow Mounting Box 121 x 82 x 60mm, without Mounting Box 121 x 78 x 43mm. Outlet terminals accommodate 4 x 2.5mm² cables.

Mines and Energy South Australia Approval S/1.

Available in Grey, White or Brown.



WSCF227/1



WSCF227/2



WSCF227/2X

Products Available		IP Rating
WSCF227/1	10A 250V Flush Mounting Single Switched Socket.	53
WSCF227/1/15	15A 250V Flush Mounting Single Switched Socket.	53
WSCF227/2	10A 250V Flush Mounting Twin Switched Socket.	53
WSCF227/2/15	15A 250V Flush Mounting Twin Switched Socket.	53
WSCF227/2X	10A 250V Flush Mounting Twin Switched Socket with extra 10A switch.	53
WSCF227/2X15	15A 250V Flush Mounting Twin Switched Socket with extra 10A switch.	53

Compact Single Switched Socket

Clipsal also offers the most compact weatherproof switched outlet, small enough to mount onto 75mm² columns. The design includes a clear spring loaded flap to ensure IP54 Rating when not in use.

The surface mounted version has a Mounting Box with 3 x 25mm plain entries (plugs fitted) and a 25mm cut out in the base for back wiring. Overall dimensions 65 x 78 x 87mm.

The compact weatherproof switched outlet is also available in a flush version with a shallow Mounting Box for back wiring applications. Overall dimensions 65 x 78 x 54mm. Terminals accommodate 4 x 2.5mm² cables.

Fixing screw caps and caps to cover mounting screws are provided. Screw caps must be in place to ensure maximum IP Rating.

Mines and Energy South Australia Approval S/1.

Available in Grey, White or Brown.



WSC228

Products Available		IP Rating
WSC228	10A 250V Surface Mounted Single Switched Socket.	54
WSCF228	10A 250V Flush Mounted Single Switched Socket.	54

Surface Mounted Switched Socket

The most time proven weather-proof switched socket is the original Clipsal WSC227.

This surface mounted outlet has 4 x 20mm plain entries (plugs fitted) a threaded 20mm entry at the top and cut outs in the base for back wiring. Overall dimensions 102 x 85 x 65mm. Terminals accommodate 3 x 2.5mm² cables.

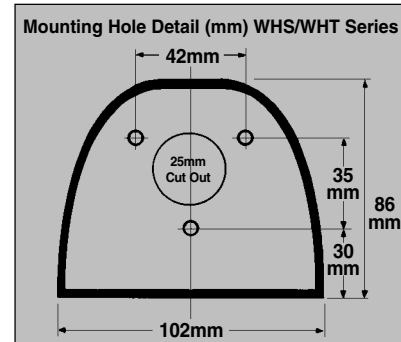
Fixing screw caps and caps to cover mounting screws are provided. Screw caps must be in place to ensure maximum IP Rating.

Mines and Energy South Australia Approval S/1.

Available in Grey, White or Brown.



WSC227



Products Available		IP Rating
WSC227	10A 250V Single Switched Socket.	53
WSC227N	10A 250V Single Switched Socket with Neon Indicator.	53
WSC227/15	15A 250V Single Switched Socket.	53
WSC227/15N	15A 250V Single Switched Socket with Neon Indicator.	53

DOUBLE POLE WEATHERPROTECTED POWER OUTLET

This automatically switched unit provides power from caravans to annexes and other similar applications. It is fitted with spring loaded weather-protected flaps marked 'Power Outlet'. Its appearance matches the 435VF15 range of Inlet Sockets.

A weatherprotected flush mounting gasket provided. Mounting flange 93 x

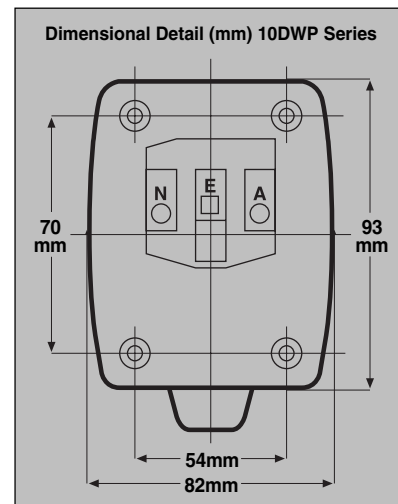
82mm. Mounting centres 70 x 54mm. Base projection 26mm. Cut-out 52mm diameter hole 6mm above horizontal centreline between mounting holes. Active and Neutral terminal bores 5.5mm. Earth 4.8 x 5.2mm. Terminals accommodate 4 x 2.5mm² cables.

Mines and Energy South Australia Approval S/1.

Standard colours are White & Black.



10DWP



Products Available		IP Rating
10DWP	10A 250V Double Pole Automatically Switched Single Outlet, Flush Mounting.	54



WEATHERPROTECTED MOUNTING ENCLOSURES

The 255 Weatherproof Mounting Enclosure Boxes convert standard range Flush Switches and Switch Sockets into Weatherprotected equivalents for permanent exterior use.

Clipsal 255 Series moulded boxes are all insulated and do not require earthing. A clear impact resistant padlockable flap is provided to prevent unauthorised use of the enclosed accessory.

Boxes can be surface mounted or semi-recessed. A special rigid P.V.C. surround (255Z) is available for use where boxes are semi-recessed into finished brickwork.

Installation of the 255 Series can be completed by back wiring and surface wired through 20mm and 25mm screwed conduit entries in the top or bottom of box.

Back wire through rear entry cut-outs. Spare insulated plugs are provided with each box to seal entries not in use. Washers are supplied in both entries to ensure perfect sealing.

The Catalogue Number 225 provides similar protection to architrave outlets and intermediate switch plates.

Mines and Energy South Australia Approval S/1.

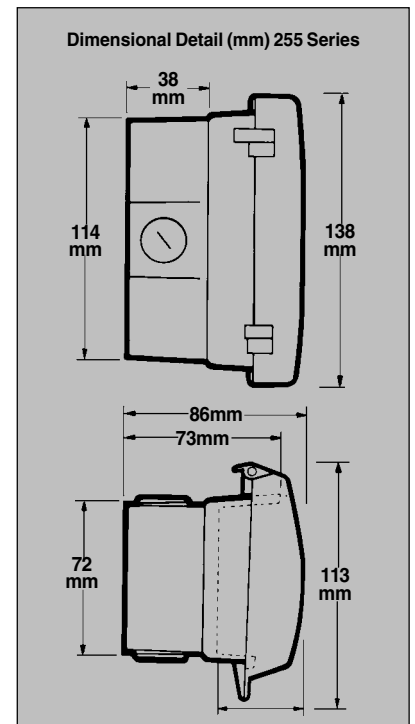
Standard colours are Grey & White.



225



255



Products Available		IP Rating
225	Rigid P.V.C. Weatherprotected Shroud. Suits Clipsal 16 Switched Socket and No's 31BA and 32BA Switches. Also suits Flush Plates up to 99 x 49mm with either 55mm or 78mm mounting centres.	54
255	Rigid P.V.C. Weatherprotected Enclosure with clear flap. Suits Flush Plates 115 x 73mm with 84mm mounting centres.	53
255Z	Rigid P.V.C. Enclosure Surround for recessing box in brickwork. Overall size 150 x 107mm.	
256	Rigid P.V.C. Protective Box less flap. Certificate of Suitability 491.	



255Z

PLUG & SOCKET SETS WITH COUPLING

Extension cable disconnections can be annoying and hazardous. Clipsal threaded couplings prevent separation by locking the plug and socket firmly in place. They also keep Clipsal 439 and 438 Series Plug and Socket Connections weatherprotected. These couplings suit most Plug/Socket connections.

Moulded in bright orange impact resistant transparent polycarbonate.

For further information refer to the Technical Catalogue 'Clipsal Plug Sockets and Adaptors'.



437



437P



437PS



437PSA



437SR



437S



437PR

Products Available

437	10A 250V Three pin unbreakable Cord Extension Socket and Plug with rubber connector. Plug and socket recommended for 1mm ² ordinary duty three core flexible cords.
437PSA	10A 250V Three pin unbreakable plastic Cord Extension Socket and Plug with weatherprotected threaded coupling. Plug and socket recommended for 1mm ² ordinary duty three core flexible cord.
437PS	Weatherprotected Threaded Coupling only. Diameter 66mm. Length 76mm. Male and female threads 2" B.S.P. (11 T.P.I.) (437PR & 437SR).
437PR	Weatherprotected Plug Coupling Ring. Suits Clipsal 439 Series. Outside diameter 66mm. Length 35mm. Female threads 2" B.S.P. (11 T.P.I.). Fits 437R Coupling Ring. Single phase 56SO310 Series Sockets, 56C310 Series Combinations and SS15 Series Suspension Switch Sockets.
437SR	Weatherprotected Socket Coupling Ring. Suits Clipsal 438 Series. Outside diameter 66mm. Length 56mm. Male thread 2" B.S.P. (11 T.P.I.). Fits 437PR Coupling Ring.
437P	Weatherprotected Plug Coupling Ring. Suits Clipsal 437S Socket Coupling only.
437S	Weatherprotected Socket Coupling Ring. Suits Clipsal 437P Plug Coupling only.

RIGID P.V.C. ADAPTABLE BOXES

These adaptable boxes will have an International Protection Rating of IP56 when suitable silicon sealant is used. (Acid Cure Silicon Sealants recommended).

Standard colour Grey.



265/1



265/4



265/7

Overall Dimensions (mm)

Cat. No.	Length	Width	Height
265/1	77	77	54
265/3	211	108	81
265/4	163	108	81
265/5	211	108	81
265/7	300	200	152
265/7TDR	300	200	152
265/7D	300	200	200
265/7DTR	300	200	200
763	108	108	139
764	163	108	142
765	211	108	139

Products Available

265/1	Rigid P.V.C. Adaptable Box. Supplied with sealing gasket. Internal dimensions 70 x 70 x 43mm.
265/3	Rigid P.V.C. Adaptable Box. Supplied with sealing gasket. Internal dimensions 196 x 95 x 68mm.
265/4	Rigid P.V.C. Adaptable Box. Supplied with sealing gasket. Internal dimensions 140 x 95 x 68mm.
265/5	Rigid P.V.C. Adaptable Box. Supplied with sealing gasket. Internal dimensions 196 x 95 x 68mm.
265/7	Rigid P.V.C. Adaptable Box. Supplied with sealing gasket. Internal dimensions 276 x 176 x 133mm.
265/7TR	Rigid P.V.C. Adaptable Box with clear lid. Supplied with sealing gasket. Internal dimensions 276 x 176 x 133mm.
265/7D	Deep rigid P.V.C. Adaptable Box with sealing gasket. Internal dimensions 276 x 176 x 183mm.
265/7TR	Deep rigid P.V.C. Adaptable Box with clear lid supplied with sealing gasket. Internal dimensions 276 x 176 x 183mm.



ADAPTABLE ENCLOSURES

These adaptable enclosures have an International Protection Rating of IP56 when suitable silicon sealant is used. (Acid Cure Silicon Sealants recommended). Supplied complete with P.V.C. mounting panel incorporating earth terminal.

Standard colour Grey.

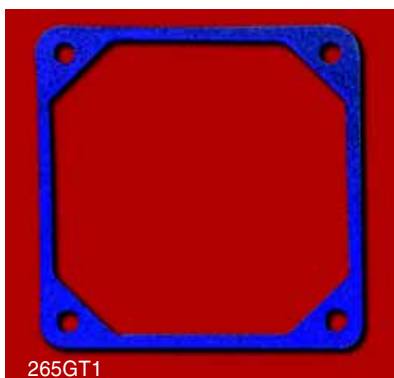
For details of Industrial adaptable enclosures see the '56 Series Industrial Range Technical Manual'.



Products Available

763	Adaptable Enclosure with rigid P.V.C. Box. Deep transparent cover and sealing gasket. Overall dimensions 108 x 108 x 139mm high. Internal dimensions 92 x 92 x 117mm.
764	Adaptable Enclosure with rigid P.V.C. Box. Deep transparent cover and sealing gasket. Overall dimensions 163 x 108 x 142mm high. Internal dimensions 142 x 92 x 122mm.
765	Adaptable Enclosure with rigid P.V.C. Box. Deep transparent cover and sealing gasket. Overall dimensions 211 x 108 x 139mm high. Internal dimensions 195 x 92 x 117mm.

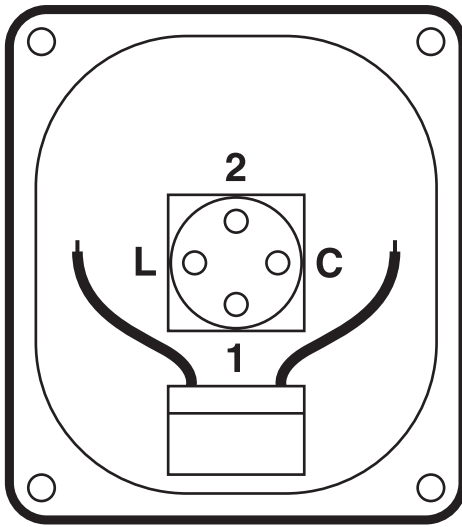
SEALING GASKETS



Products Available

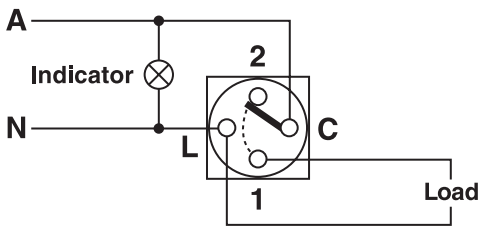
265GT1	Sealing Gasket. Suits 265/1 Box. Dimensions 77 x 77 x 3mm.
265GT3	Sealing Gasket. Suits 265/3 and 763 Boxes. Dimensions 108 x 108 x 3mm.
265GT4	Sealing Gasket. Suits 265/4 and 764 Boxes Dimensions 163 x 108 x 3mm.
265GT5	Sealing Gasket. Suits 265/5, 252/63 and 765 Boxes. Dimensions 211 x 108 x 3mm.
265GT7	Sealing Gasket. Suits 265/7 and 265/7D Boxes. Dimensions 300 x 200 x 3mm.

WS226N SERIES



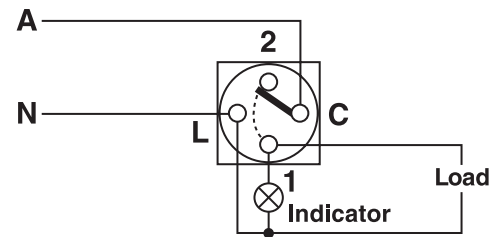
One way switching

Indicator "ON" continuously



Indicator "ON", indicates power available

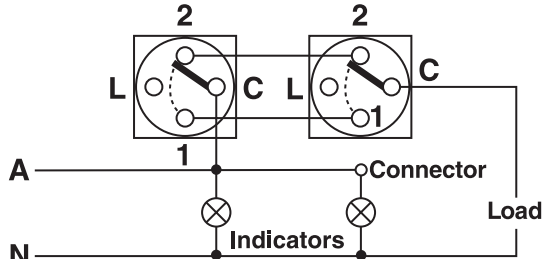
Indicator "ON", when load is on



Indicator "ON", indicates switch is on

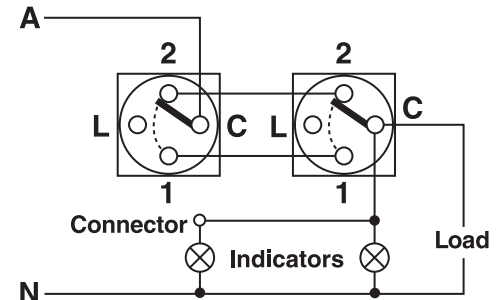
Two way switching

Indicator "ON" continuously



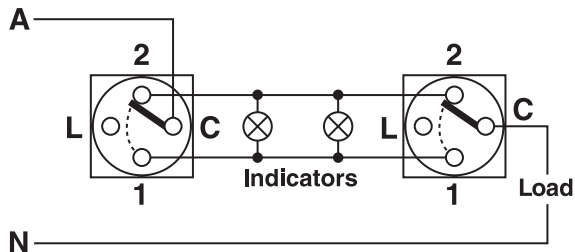
Indicator "ON", indicates power available

Indicator "ON", when load is on

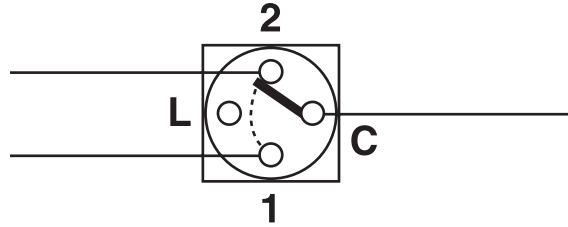
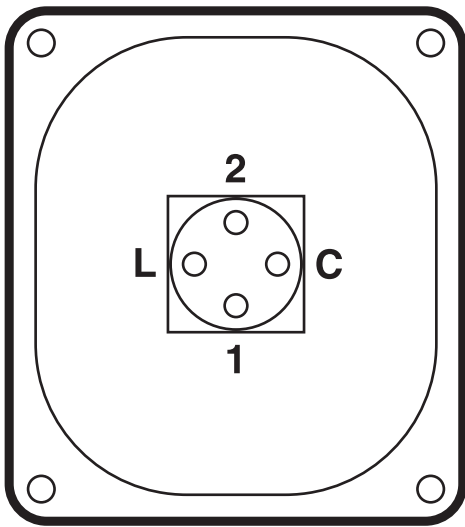


Indicator "ON", indicates switch is on

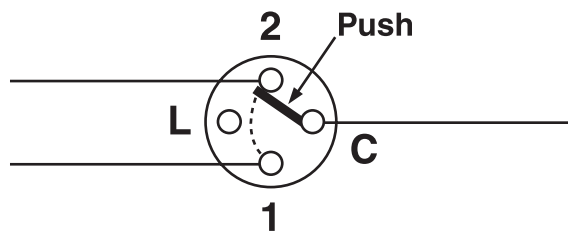
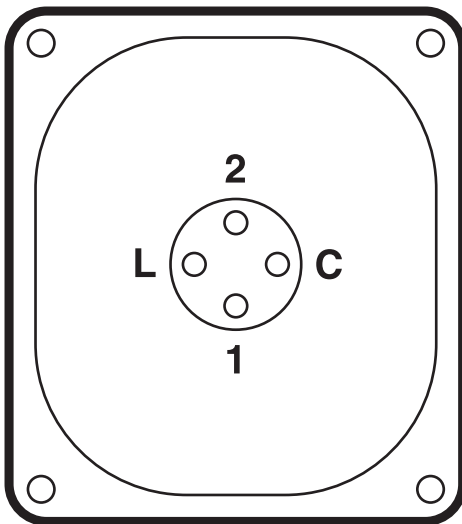
Indicator "ON", when load is off



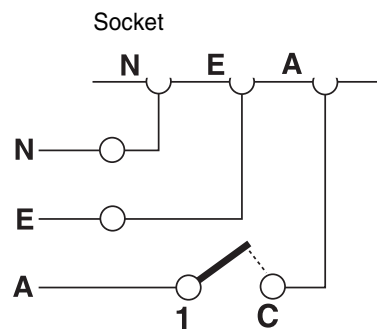
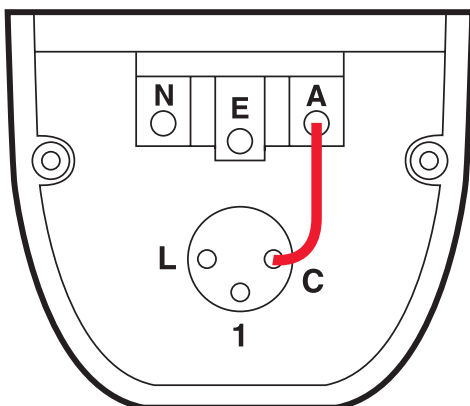
WS226 SERIES (30M SWITCH MECHANISM)



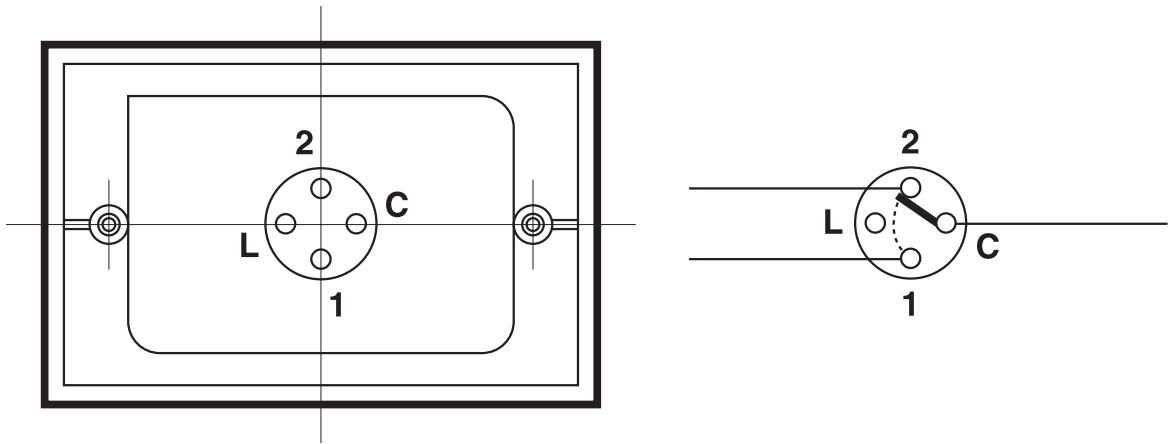
WS226PB SERIES (60MPB SWITCH MECHANISM)



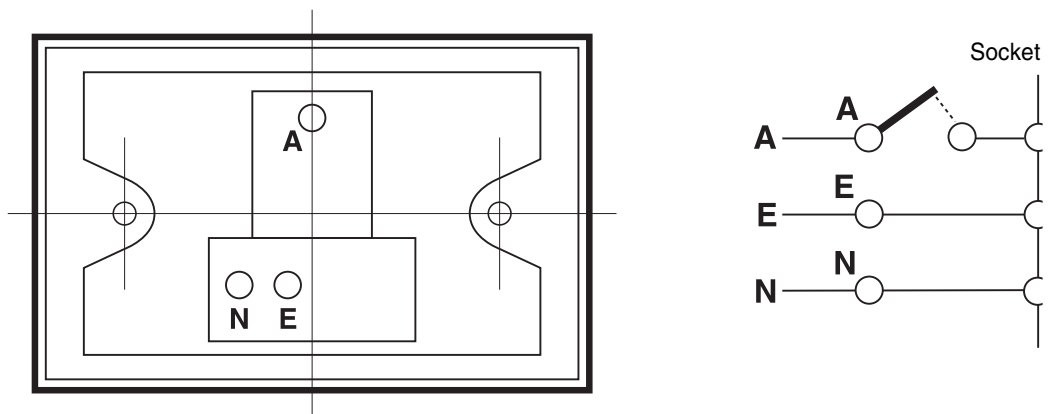
WSC227 SERIES



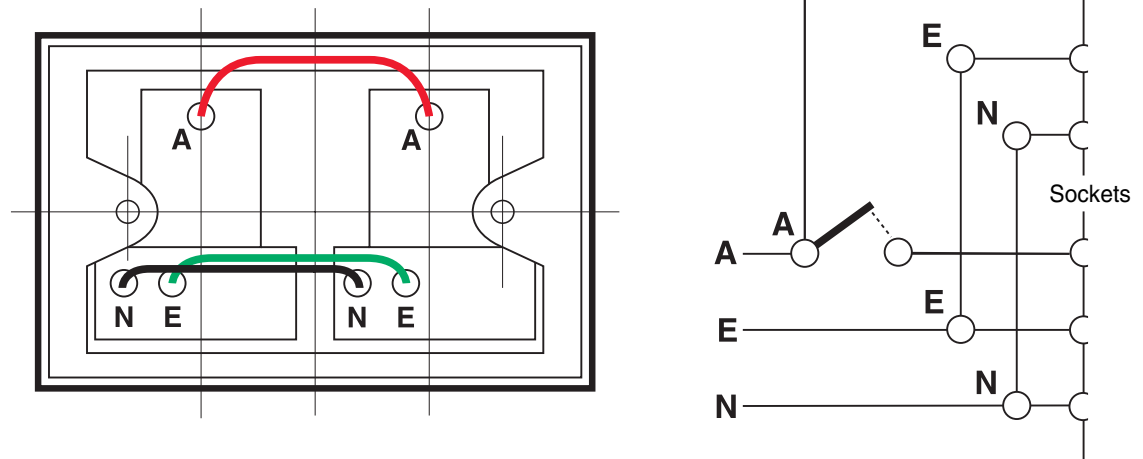
WSF226 SERIES (60MY SWITCH MECHANISM)



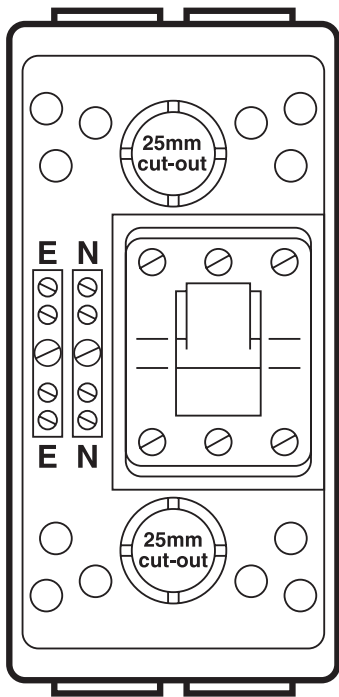
WSC227/1 SERIES



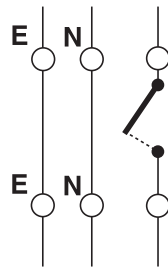
WSC227/2 SERIES



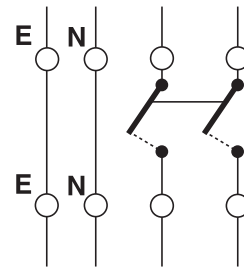
WHS/WHT SERIES



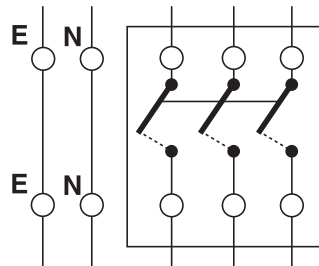
Single Pole



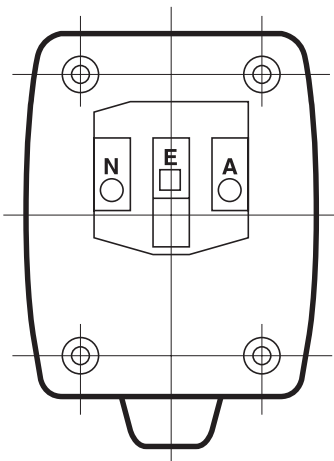
Double Pole



Triple Pole

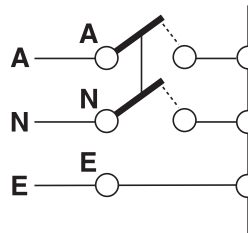


10DWP SERIES

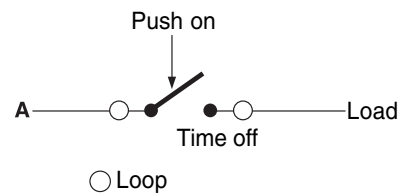


Automatic Switching







Socket



319HP SERIES











INTERNATIONAL PROTECTION RATINGS

	TEST	PROTECTION
X	No test applied	No specific protection.
0	No test applied	Inherent degree of protection.
1		Protected against solid objects larger than 50mm (eg. accidental contact with hand.)
2		Protected against solid objects larger than 12mm (eg. contact with finger.)
3		Protected against solid objects larger than 2.5mm (eg. tools and wires.)
4		Protected against solid objects larger than 1mm (eg. fine tools and wires.)
5		Protected against dust. Prevent entry in sufficient quantity to interfere with satisfactory operation.
6		Completely protected against dust.

Defined by
IEC 529
DIN 40050
CEI 70-1

To Australian Standards AS 1939 - 1991
'Classification of degrees of Protection' Provided
by enclosures for electrical equipment.

	TEST	PROTECTION
X	No test applied	No specific protection.
0	No test applied	Inherent degree of protection.
1		Protected against drops of water falling vertically.
2		Protected against drops of water falling at up to 15° from the vertical.
3		Protected against spraying water at up to 60° from the vertical.
4		Protected against splashing water from all directions.
5		Protected against jets of water from all directions.
6		Protected against jets of water of similar force to heavy seas.
7		Protected against the effects of immersion.
8		Protected against the effects of submersion.

Defined by
IEC 529

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	Tamworth	0417 714 339
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	Kalgoorlie & Eastern Gold Fields	0417 928 981
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