Switchesand Sockets

Add a new dimension to your decor, with our award-winning ranges of modern switches and sockets. Combining world-class technical and safety features with stylish European and Australian design, we match form with function.

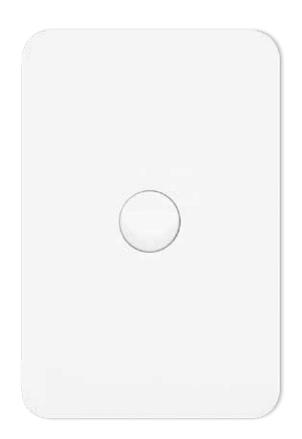




08	Page
Overview	376
Quick reference	378
allure	382
ïinesse	390
silhouette	398
premiere	404
Mechanisms	413
Accessories	420
Weatheproof switches and sockets	422
Weatherproof isolators - IP66	423
Technical information	424

4 design styles, infinite combinations







authentic, honest allure range

The allure range is a contemporary addition and evolution of our switches and sockets. We have refreshed the traditional contour with the vision of keeping it sustainable and classical. **Pg.382**

minimal, sleek finesse range

With the Hager design language in mind, the finesse range is an architectural story. Its timeless and slim design creates a world of small elegance, making the range peaceful and quiet. **Pg.390**



so fine, so stunning silhouette range

The silhouette range has a simple but elegant form based on the serene balance of proportions and the reduction to the object essentials, giving the product the right tone of voice in order to fit within its environment. Pg.398



A modern day classic premiere range

Quietly offering functionality and a beautifully understated form, premiere has a simple and stylish look that creates a soothing effect on its surroundings. Pg.404

Make the switch...

Extensive research with architects, interior designers, electrical contractors and consumers have created a dynamic, fully featured product range - with an array of styles, colours and finishes to suit any space.

Complete the picture Modules, Mechs and Accessories

Explore our wide range of modules, mechanisms and accessories to complete your installation and exceed your project requirements. **Pg.413**



For more information on any of the products above, to download datasheets, or create a project list, register at our website **hagerelectro.com.au**

Switches and SocketsQuick reference guide



allure	Designation	Cat. Ref.	Pack QTY.	Page No.
Switch plates	'			
	1 gang large plate switch, no mechanism	WBHSP1	10	
00	2 gang large plate switch, no mechanism	WBHSP2	10	Page 384
00	3 gang large plate switch, no mechanism	WBHSP3	10	
	4 gang large plate switch, no mechanism	WBHSP4	10	
Switches				
	1 gang large plate vertical switch	WBHSV1	10	
	2 gang large plate vertical switch	WBHSV2	10	Page 386
	3 gang large plate vertical switch	WBHSV3	5	
	4 gang large plate vertical switch	WBHSV4	5	
Socket outlets				
0 0	10A single horizontal socket	WBHP1	10	
0 0	10A single vertical socket	WBHP1VS	10	Page 388
	10A double horizontal socket	WBHP2S	10	
	10A double horizontal socket with extra switch	WBHP2XS	5	

<u>tinesse</u>	Designation	Cat. Ref.	Pack QTY.	Page No.
Switch plates		,	,	
	1 gang large plate switch, no mechanism	WBQSP1	10	
00	2 gang large plate switch, no mechanism	WBQSP2	10	Page 392
00	3 gang large plate switch, no mechanism	WBQSP3	10	
	4 gang large plate switch, no mechanism	WBQSP4	10	
Switches				
	1 gang large plate vertical switch	WBQSV1	10	
	2 gang large plate vertical switch	WBQSV2	10	Page 393
	3 gang large plate vertical switch	WBQSV3	5	
	4 gang large plate vertical switch	WBQSV4	5	
Mechanical Push I	Button Switches			
	1 gang large plate vertical mechanical push button switch	WBQSV1PB	10	
	2 gang large plate vertical mechanical push button switch	WBQSV2PB	10	Page 393
•	3 gang large plate vertical mechanical push button switch	WBQSV3PB	5	
	4 gang large plate vertical mechanical push button switch	WBQSV4PB	5	
Socket outlets				
	10A single horizontal socket	WBQP1S	10	
000	10A single vertical socket	WBQP1VS	10	Page 395
	10A double horizontal socket	WBQP2S	10	
	10A double horizontal socket with extra switch	WBQP2XS	5	

silhouette	Designation	Cat. Ref.	Pack QTY.	Page No.
Switch plates				
	1 gang large plate switch, no mechanism	WBSSP1	10	
	2 gang large plate switch, no mechanism	WBSSP2	10	Page 400
	3 gang large plate switch, no mechanism	WBSSP3	10	
	4 gang large plate switch, no mechanism	WBSSP4	10	
Switches				
	1 gang large plate vertical switch	WBSSV1	10	
0	2 gang large plate vertical switch	WBSSV2	10	Page 400
	3 gang large plate vertical switch	WBSSV3	5	
	4 gang large plate vertical switch	WBSSV4	5	
Electronic push butt	on switches			
	1 gang large plate vertical electronic push button switch	WBSEV1	1	
	2 gang large plate vertical electronic push button switch	WBSEV2	1	Page 400401
0	3 gang large plate vertical electronic push button switch	WBSEV3	1	
	4 gang large plate vertical electronic push button switch	WBSEV4	1	
Socket outlets				
0.00	10A single horizontal socket	WBSP1S	10	
25 25	10A single vertical socket	WBSP1VS	10	Page 401
	10A double horizontal socket	WBSP2S	10	
	10A double horizontal socket with extra switch	WBSP2XS	5	

premiere	Designation	Cat. Ref.	Pack QTY.	Page No.
Switch plates	'			
	1 gang large plate switch, no mechanism	WBSP1	10	
	2 gang large plate switch, no mechanism	WBSP2	10	Page 406
	3 gang large plate switch, no mechanism	WBSP3	10	
	4 gang large plate switch, no mechanism	WBSP4	10	
Switches				
	1 gang large plate vertical switch	WBSV1	10	 Page 407
	2 gang large plate vertical switch	WBSV2	10	
19	3 gang large plate vertical switch	WBSV3	5	
	4 gang large plate vertical switch	WBSV4	5	
Socket outlets				
	10A single horizontal socket	WBP1S	1	
@ Y	10A double horizontal socket	WBP2S	1	
	10A double horizontal socket with extra switch	WBP2XS	1	Page 410
	10A single vertical socket	WBP1VS	10	
	10A twin vertical socket	WBP2VS	10	

Designation

Electronic Push Button

Universal Rotary on/off Dimmer

Universal Electronic Push Button Dimmer

Mechanisms

Standard and printed

Page No.

Page 414

Page 415

Page 417

- Page 418

Pack QTY.

5

5

5

Cat. Ref.

WBME5A

WBMDUPB

WBMDUR

	Slave	WBMSLL	5
	16AX rated mechanism	WBM16AX	10
	10A intermediate mechanism	WBM10I	5
	10A double pole mechanism	WBM10D	5
	10A 3 position rotary mechanism	WBM10R3	5
Data and television			
	Cat 6 jack	WBMCAT6	10
CO CO CO	F to PAL mechanism	WBMTV75PF	10
	F to F 'Foxtel' approved	WBMTV75PY	10



Accessories	Designation	Cat. Ref.	Pack QTY.	Page No.
Mounting and surface	accessories			
- CT	Mounting block 32mm deep - suits Premiere range	WBBMD	5	
5 6 0	Mounting block 32mm deep - insulated - suits Premiere range	WBBMI	5	
AL SE	Mounting block 32mm deep - suits silhouette range	WBSBMD	5	
	Mounting block 32mm deep - suits Allure range	WBHBMD	5	Page 420
	Mounting block 32mm deep - suits Finesse range	WBQBMD	5	
	10A single surface socket	WBAP1	10	
© ©	Giant junction box	WBAJB4	5	
0 0	Standard junction box	WBAJB4S	5	Page 421

allure authentic, honest



Continuing on with Hager's design philosophy, the allure range is serenely balanced and can elevate any modern interior with its simplistic yet contemporary design. The translucent edge that surrounds allure, accentuates its elegant profile – creating a unique floating effect.



Advantages:

- Available in gloss white, matt white and matt black to suit any decor or mood
- Quick close IP2x hinged screw caps
- Pre-fitted mounting screws for a quick installation
- Rotoloc® system

Characteristics:

- External material:	- UV stabilised
- Switches terminals:	- 4 x 1.5mm2 cables
- Sockets terminals:	- 4 x 2.5mm2 cables









01

Architectually designed in Europe.

02

Availble in Matt White, Matt Black and Gloss White.

03

Strong impact resistant polycarbonate material will not 'yellow' over time.

04

Our patented Rotoloc® system eliminates the possibility of the mechanism being pushed back into the wall cavity.









05

Easy hinged. IP2x, caps and screws ready to go.

06

A spring loaded shutter protects little fingers from live parts inside sockets.

07

A full range of accessories and mechs including electronic push buttons and dimmers are available. 08

Built in spirit level to assist installation.



- Multiple mounting holesSupplied with standard
- 32mm fixing screws
 No mechanism push back
- High impact, high gloss UV stabilised polycarbonate construction
- Spray matt finishes available in matt white and matt black
- Level to assist installation
- Hinged IP2x caps
- Screw retention





WBHSP1



WBHSP6

Switch Plates - No Mechanisms

Description	Available colours	Box qty	Cat ref.
1 gang	Gloss White	10	★ WBHSP1
	Matt Black	10	★ WBHSP1-MB
	Matt White	10	★ WBHSP1-MW
2 gang	Gloss White	10	★ WBHSP2
	Matt Black	10	★ WBHSP2-MB
	Matt White	10	★ WBHSP2-MW
3 gang	Gloss White	10	★ WBHSP3
	Matt Black	10	★ WBHSP3-MB
	Matt White	10	★ WBHSP3-MW
4 gang	Gloss White	10	★ WBHSP4
	Matt Black	10	★ WBHSP4-MB
	Matt White	10	★ WBHSP4-MW
5 gang	Gloss White	10	★ WBHSP5
	Matt Black	10	★ WBHSP5-MB
	Matt White	10	★ WBHSP5-MW
6 gang	Gloss White	10	★ WBHSP6
	Matt Black	10	★ WBHSP6-MB
	Matt White	10	★ WBHSP6-MW
Blank	Gloss White	10	★ WBHSPB
	Matt Black	10	★ WBHSPB-MB
	Matt White	10	★ WBHSPB-MW
Cable entry	Gloss White	10	★ WBHSPCE
	Matt Black	10	★ WBHSPCE-MB
	Matt White	10	★ WBHSPCE-MW



- Multiple mounting holes
 Supplied with standard
 32mm fixing screws
 High impact, high gloss UV
 stabilised polycarbonate construction
- For use with non-Hager mechanisms
- Spray matt finishes available in matt white and matt black
- Level to assist installation
- Hinged IP2x caps
- Screw retention

Switch Plates - Hybrid

Description	Available colours	Box qty	Cat ref.
1 gang	Gloss White	10	★ WBHHSP1
	Matt Black	10	★ WBHHSP1-MB
	Matt White	10	★ WBHHSP1-MW
2 gang	Gloss White	10	★ WBHHSP2
	Matt Black	10	★ WBHHSP2-MB
	Matt White	10	★ WBHHSP2-MW
3 gang	Gloss White	10	★ WBHHSP3
	Matt Black	10	★ WBHHSP3-MB
	Matt White	10	★ WBHHSP3-MW
4 gang	Gloss White	10	★ WBHHSP4
	Matt Black	10	★ WBHHSP4-MB
	Matt White	10	★ WBHHSP4-MW



WBHHSP1



WBHHSP4

- Multiple mounting holes
- Supplied with captive
- Supplied with capacity
 32mm fixing screws
 No mechanism push back
 High impact, high gloss UV
 stabilised polycarbonate construction
 - Level to assist installation
- Spray matt finishes available in matt white and matt black
- Switch when supplied are fitted with 16AX mechanisms (suitable for fluorescent loads)
- 2 way and loop terminal as standard - Hinged IP2x caps
- Combination head screws Phillip's #1 'backed off' for ease of cable insertion
- Terminals accommodate 4 x 1.5mm² cable

Dimension data: Page 426 and 427





WBHSV1



WBHSV1-MB

Switches

Cat ref.	Box qty	Available colours	Description
★ WBHSV1	10	Gloss White	1 gang
★ WBHSV1-MB	10	Matt Black	
★ WBHSV1-MW	10	Matt White	
★ WBHSV2	10	Gloss White	2 gang
★ WBHSV2-MB	10	Matt Black	
★ WBHSV2-MW	10	Matt White	
★ WBHSV3	5	Gloss White	3 gang
★ WBHSV3-MB	5	Matt Black	
★ WBHSV3-MW	5	Matt White	
★ WBHSV4	5	Gloss White	4 gang
★ WBHSV4-MB	5	Matt Black	
★ WBHSV4-MW	5	Matt White	
★ WBHSV5	5	Gloss White	5 gang
★ WBHSV5-MB	5	Matt Black	
★ WBHSV5-MW	5	Matt White	
★ WBHSV6	5	Gloss White	6 gang
★ WBHSV6-MB	5	Matt Black	
★ WBHSV6-MW	5	Matt White	



Switches - Architrave

Description	Available colours	Box qty	Cat ref.
1 gang	Gloss White	5	★ WBHSA1
	Matt Black	5	★ WBHSA1-MB
	Matt White	5	★ WBHSA1-MW
2 gang	Gloss White	5	★ WBHSA2
	Matt Black	5	★ WBHSA2-MB
	Matt White	5	★ WBHSA2-MW
3 gang	Gloss White	5	★ WBHSA3
	Matt Black	5	★ WBHSA3-MB
	Matt White	5	★ WBHSA3-MW

- Multiple mounting holes
- Supplied with captive 32mm tapered point fixing screws
- No mechanism push back
- High impact, high gloss UV stabilised polycarbonate construction
- Level to assist installation
- Spray matt finishes available in matt white and matt black
- 2 way and loop terminal as standard
- Combination head screws Phillip's #1 'backed off' for ease of cable insertion
- Hinged IP2x caps
- Terminals accommodate 4 x 1.5mm² cable

Cooker switch features

- Double pole
- Comes with 2 covers
- One marked with 'cooker'
- One with no marking
 Terminals accept 6mm2 cable

Dimension data: Page 426 and 427





IP44 Switches - vertical

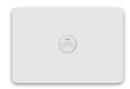
Description	Characteristics	Available colours	Box qty	Cat ref.
1 gang	10A	Gloss White	10	★ WBHWSV1
		Matt Black	10	★ WBHWSV1-MB
		Matt White	10	★ WBHWSV1-MW
2 gang	10A	Gloss White	10	★ WBHWSV2
		Matt Black	10	★ WBHWSV2-MB
		Matt White	10	★ WBHWSV2-MW
3 gang	10A	Gloss White	10	★ WBHWSV3
		Matt Black	10	★ WBHWSV3-MB
		Matt White	10	★ WBHWSV3-MW



WBHWSV1

IP44 Switches - horizontal

Description	Characteristics	Available colours	Box qty	Cat ref.
1 gang	10A	Gloss White	10	★ WBHWSH1
		Matt Black	10	★ WBHWSH1-MB
		Matt White	10	★ WBHWSH1-MW
2 gang	10A	Gloss White	10	★ WBHWSH2
		Matt Black	10	★ WBHWSH2-MB
		Matt White	10	★ WBHWSH2-MW
3 gang	10A	Gloss White	10	★ WBHWSH3
		Matt Black	10	★ WBHWSH3-MB
		Matt White	10	★ WBHWSH3-MW



WBHWSH1

Switches - Cooker Switch

Description	Characteristics	Available colours	Box qty	Cat ref.
Horizontal cooker switch	40A	Gloss White	1	★ WBHCKSH1
Double pole		Matt Black 1	1	★ WBHCKSH1-MB
		Matt White	1	★ WBHCKSH1-MW
Vertical cooker switch	40A	Gloss White	1	★ WBHCKSV1
Double pole		Matt Black	1	★ WBHCKSV1-MB
		Matt White	1	★ WBHCKSV1-MW





- Removable covers for ease of painting
- Multiple mounting holesTerminal screws "backed off"
- Level to assist installation
- Bevelled and colour coded cable entries aligned for ease of termination Supplied with retained tapered
- point 32mm fixing screws
- Hinged IP2x caps
- Spray matt finishes available in matt white and matt black

Technical data

- All sockets 250V 50Hz rated
- Extra switch models fitted with 16AX mechanisms
- High impact, high gloss UV stabilised polycarbonate construction
- Terminal accommodates

4 x 2.5mm² cable

Dimension data: Page 426





WBHP2S



WBHP2S-MB



WBHP2SUSBAC-MW

Sockets - horizontal

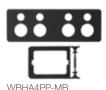
Description	Characteristics	Available colours	Box qty	Cat ref.
Single sockets	10A	Gloss White	10	★ WBHP1S
		Matt Black	10	★ WBHP1S-MB
		Matt White	10	★ WBHP1S-MW
	10A 'Round Earth'	Gloss White	10	★ WBHP1R
		Matt Black	10	★ WBHP1R-MB
		Matt White	10	★ WBHP1R-MW
	15A	Gloss White	5	★ WBHP115
		Matt Black	5	★ WBHP115-MB
		Matt White	5	★ WBHP115-MW
	20A	Gloss White	5	★ WBHP120
		Matt Black	5	★ WBHP120-MB
		Matt White	5	★ WBHP120-MW
Double sockets	10A	Gloss White	10	★ WBHP2S
		Matt Black	10	★ WBHP2S-MB
		Matt White	10	★ WBHP2S-MW
Double sockets with extra 16AX switch	10A	Gloss White	5	★ WBHP2XS
		Matt Black	5	★ WBHP2XS-MB
		Matt White	5	★ WBHP2XS-MW
Double sockets with extra switch position	10A	OGloss White	1	★ WBHP2XSB
(no mech)		Matt Black	1	★ WBHP2XSB-MB
		Matt White	1	★ WBHP2XSB-MW
Double sockets with USB Type A and	10A	OGloss White	5	★ WBHP2SUSBAC
Type C		Matt Black	5	★ WBHP2SUSBAC-MB
		Matt White	5	★ WBHP2SUSBAC-MW



WBHPIV-MB

Sockets - vertical

Description	Characteristics	Available colours	Box qty	Cat ref.
		Gloss White	10	★ WBHP1V
		Matt Black	10	★ WBHP1V-MB
		Matt White	10	★ WBHP1V-MW



4 Gang Socket Cover Kit

Cat ref.	Box qty	Available colours	Characteristics	Description
★ WBHA4PP	5	Gloss White		
★ WBHA4PP-MB	5	Matt Black		
★ WBHA4PP-MW	5	Matt White		

Note: 2x allure double sockets (WBHP2S-xx) required (not supplied with kit)



- High impact, high gloss UV stabilised polycarbonateSpray matt finishes available in
- matt white and matt black

Switch Cover Plates

Description	Available colours	Box qty	Cat ref.
1 gang	Gloss White	10	★ WBHCS1
	Matt Black	10	★ WBHCS1-MB
	Matt White	10	★ WBHCS1-MW
2 gang	Gloss White	10	★ WBHCS2
	Matt Black	10	★ WBHCS2-MB
	Matt White	10	★ WBHCS2-MW
3 gang	Gloss White	10	★ WBHCS3
	Matt Black	10	★ WBHCS3-MB
	Matt White	10	★ WBHCS3-MW
4 gang	Gloss White	10	★ WBHCS4
	Matt Black	10	★ WBHCS4-MB
	Matt White	10	★ WBHCS4-MW
5 gang	Gloss White	10	★ WBHCS5
	Matt Black	10	★ WBHCS5-MB
	Matt White	10	★ WBHCS5-MW
6 gang	Gloss White	10	★ WBHCS6
	Matt Black	10	★ WBHCS6-MB
	Matt White	10	★ WBHCS6-MW



WBHCS1



WBHCS4-MB

Socket Cover Plates - horizontal

Description	Available colours	Box qty	Cat ref.
Cover single socket	Gloss White	5	★ WBHCP1
	Matt Black	5	★ WBHCP1-MB
	Matt White	5	★ WBHCP1-MW
Cover double socket	Gloss White	5	★ WBHCP2
	Matt Black	5	★ WBHCP2-MB
	Matt White	5	★ WBHCP2-MW
Cover double socket with extra switch	Gloss White	5	★ WBHCP2XS
	Matt Black	5	★ WBHCP2XS-MB
	Matt White	5	★ WBHCP2XS-MW





Socket Cover Plates - vertical

Cat ref.	Box qty	Available colours	Description
★ WBHCP1V	5	Gloss White	Cover single socket
★ WBHCP1V-MB	5	Matt Black	
★ WBHCP1V-MW	5	Matt White	



finesse minimal, sleek



The architecturally inspired finesse range is sure to impress audiences with its minimalistic and precise design, and is considered to be ingeniously simplistic.

Its remarkable slim profile together with a refined translucent edge, perfectly complements the sharp and clean lines of a surrounding modern interior.



Advantages:

- Sleek 4.6mm profile
 Available in gloss white, matt white and matt black to suit any decor or mood
- Rotoloc® system

Characteristics:

- External material:	- UV stabilised
- Switches terminals:	- 4 x 1.5mm2 cables
- Sockets terminals:	- 4 x 2.5mm2 cables









01

With a profile of only 4.6mm off the wall surface, finesse has the lowest profile on the market.

02

Terminal screws partially backed out for faster installation.

03

Strong impact and UV resistant polycarbonate material will not 'yellow' over time.

04

Our patented Rotoloc® system eliminates the possibility of the mechanism being pushed back into the wall cavity.



05

Deep screw housing provides a cap free installation that meets standards compliance.



06

A spring loaded shutter protects little fingers from live parts inside sockets.



07

Available in Matt Black, Matt White and Gloss White.



08

A full range of accessories and mechs including mechanical or electronic push button switches and universal dimmers.



- Multiple mounting holesSupplied with standard 32mm
- Supplied with standard 32m tapered point fixing screws
 No mechanism push back
 High impact, high gloss UV stabilised polycarbonate
- construction

 Spray matt finishes available in matt white and matt black
- Screw retention
- Hybrid plates for non-Hager Roto-loc mechanisms





WBQSP4



Switch Plates - No Mechanisms

Description	Available colours	Box qty	Cat ref.
1 gang	Gloss White	10	★ WBQSP1
	Matt Black	10	★ WBQSP1-MB
	Matt White	10	★ WBQSP1-MW
2 gang	Gloss White	10	★ WBQSP2
	Matt Black	10	★ WBQSP2-MB
	Matt White	10	★ WBQSP2-MW
3 gang	Gloss White	10	★ WBQSP3
	Matt Black	10	★ WBQSP3-MB
	Matt White	10	★ WBQSP3-MW
4 gang	Gloss White	10	★ WBQSP4
	Matt Black	10	★ WBQSP4-MB
	Matt White	10	★ WBQSP4-MW
5 gang	Gloss White	10	★ WBQSP5
	Matt Black	10	★ WBQSP5-MB
	Matt White	10	★ WBQSP5-MW
6 gang	Gloss White	10	★ WBQSP6
	Matt Black	10	★ WBQSP6-MB
	Matt White	10	★ WBQSP6-MW
Blank	Gloss White	10	★ WBQSPB
	Matt Black	10	★ WBQSPB-MB
	Matt White	10	★ WBQSPB-MW
Brush cable entry plate	Gloss White	10	★ WBQSPCE
	Matt Black	10	★ WBQSPCE-MB
	Matt White	10	★ WBQSPCE-MW



WBQHSP1



WBQHSP4

Switch Plates - Hybrid

(For use with non-Hager mechanisms)

Description	Available colours	Box qty	Cat ref.
1 gang	Gloss White	10	★ WBQHSP1
	Matt Black	10	★ WBQHSP1-MB
	Matt White	10	★ WBQHSP1-MW
2 gang	Gloss White	10	★ WBQHSP2
	Matt Black	10	★ WBQHSP2-MB
	Matt White	10	★ WBQHSP2-MW
3 gang	Gloss White	10	★ WBQHSP3
	Matt Black	10	★ WBQHSP3-MB
	Matt White	10	★ WBQHSP3-MW
4 gang	Gloss White	10	★ WBQHSP4
	Matt Black	10	★ WBQHSP4-MB
	Matt White	10	★ WBQHSP4-MW



- Multiple mounting holes
- Supplied with captive 32mm tapered point fixing screws
- No mechanism push back
- High impact, high gloss UV stabilised polycarbonate construction
- Press mechs 10A
- Spray matt finishes available in matt white and matt black
- Switch when supplied are fitted with 16AX mechanisms (suitable for fluorescent loads)
- 2 way and loop terminal as standard
- Combination head screws 'backed off' for ease of cable insertion
- Terminals accommodate 4 x 1.5mm² cable
- Push button mechanical switches rated 10A
- 240V press button mechs 10AX

Dimension data: Page 428





Switches

Description	Available colours	Box qty	Cat ref.
1 gang	Gloss White	10	★ WBQSV1
	Matt Black	10	★ WBQSV1-MB
	Matt White	10	★ WBQSV1-MW
2 gang	Gloss White	10	★ WBQSV2
	Matt Black	10	★ WBQSV2-MB
	Matt White	10	★ WBQSV2-MW
3 gang	Gloss White	5	★ WBQSV3
	Matt Black	5	★ WBQSV3-MB
	Matt White	5	★ WBQSV3-MW
4 gang	Gloss White	5	★ WBQSV4
	Matt Black	5	★ WBQSV4-MB
	Matt White	5	★ WBQSV4-MW
5 gang	Gloss White	5	★ WBQSV5
	Matt Black	5	★ WBQSV5-MB
	Matt White	5	★ WBQSV5-MW
6 gang	Gloss White	5	★ WBQSV6
	Matt Black	5	★ WBQSV6-MB
	Matt White	5	★ WBQSV6-MW



WBQSV1



WBQSV4-MB

Switches with 240V Press Mech

(Not supplied with switches)

Description	Characteristics	Available colours	Box qty	Cat ref.
1 gang	10A	Gloss White	10	★ WBQSV1PB
		Matt Black	10	★ WBQSV1PB-MB
		Matt White	10	★ WBQSV1PB-MW
2 gang	10A	Gloss White	10	★ WBQSV2PB
		Matt Black	10	★ WBQSV2PB-MB
		Matt White	10	★ WBQSV2PB-MW
3 gang	10A	Gloss White	5	★ WBQSV3PB
		Matt Black	5	★ WBQSV3PB-MB
		Matt White	5	★ WBQSV3PB-MW
4 gang	10A	Gloss White	5	★ WBQSV4PB
		Matt Black	5	★ WBQSV4PB-MB
		Matt White	5	★ WBQSV4PB-MW
240V LED for PB mech LED - blue	240V		20	★ WBAPBLED



WBQSV1PB



- Multiple mounting holes
- Supplied with captive 32mm tapered point fixing screws
- No mechanism push backHigh impact, high gloss UV stabilised polycarbonate construction
- Spray matt finishes available in matt white and matt black
- Switch when supplied are fitted with 16AX mechanisms (suitable for fluorescent loads)
- 2 way and loop terminal as standard
- Terminals accommodate 4 x 1.5mm² cable
- Combination head screws Phillip's #1 'backed off' for ease of cable insertion

Cooker switch features

- Double pole
- Comes with 2 covers
 - One marked with 'cooker'
- One with no marking
 Terminals accept 6mm2 cable

Dimension data: Page 428 and 429





Architrave Switches

Description	Available colours	Box qty	Cat ref.
1 gang	Gloss White	10	★ WBQSA1
	Matt Black	10	★ WBQSA1-MB
	Matt White	10	★ WBQSA1-MW
2 gang	Gloss White	10	★ WBQSA2
	Matt Black	10	★ WBQSA2-MB
	Matt White	10	★ WBQSA2-MW
3 gang	Gloss White	5	★ WBQSA3
	Matt Black	5	★ WBQSA3-MB
	Matt White	5	★ WBQSA3-MW



WBQCKSV1

Switches - Cooker Switch

Description	Characteristics	Available colours	Box qty	Cat ref.
Vertical cooker switch	40A	Gloss White	5	★ WBQCKSV1
Double pole		Matt Black	5	★ WBQCKSV1-MB
		Matt White	5	★ WBQCKSV1-MW
Horizontal cooker switch	40A	Gloss White	5	★ WBQCKSH1
Double pole		Matt Black	5	★ WBQCKSH1-MB
		Matt White	5	★ WBQCKSH1-MW



- Removable covers for ease of painting
- Multiple mounting holesTerminal screws "backed off"
- Bevelled and colour coded cable entries aligned for ease of termination
- Supplied with retained tapered
- point 32mm fixing screws Spray matt finishes available in matt white and matt black

Technical data

- All sockets 250V 50Hz rated
- Extra switch models fitted with 16AX mechanisms
- Terminal accommodates 4 x 2.5mm² cable
- High impact, high gloss UV stabilised polycarbonate construction

Dimension data: Page 428





Sockets - horizontal

Description	Characteristics	Available colours	Box qty	Cat ref.
Single sockets	10A	Gloss White	10	★ WBQP1S
		Matt Black	10	★ WBQP1S-MB
		Matt White	10	★ WBQP1S-MW
	10A 'Round Earth'	Gloss White	10	★ WBQP1R
		Matt Black	10	★ WBQP1R-MB
		Matt White	10	★ WBQP1R-MW
	15A	Gloss White	5	★ WBQP115S
		Matt Black	5	★ WBQP115S-MB
		Matt White	5	★ WBQP115S-MW
Double sockets	10A	Gloss White	10	★ WBQP2S
		Matt Black	10	★ WBQP2S-MB
		Matt White	10	★ WBQP2S-MW
Double sockets with extra switch	10A	Gloss White	5	★ WBQP2XS
		Matt Black	5	★ WBQP2XS-MB
		Matt White	5	★ WBQP2XS-MW
Double sockets blanked extra switch	10A	Gloss White	1	★ WBQP2XSB
		Matt Black	1	★ WBQP2XSB-MB
		Matt White	1	★ WBQP2XSB-MW
Double sockets with USB Type A and	10A	Gloss White	5	★ WBQP2SUSBAC
Type C		Matt Black	5	★ WBQP2SUSBAC-MB
		Matt White	5	★ WBQP2SUSBAC-MW



WBQP2S



WBQP2S-MB



WBQP2SUSBAC

Sockets - vertical

Cat ref.	Box qty	Available colours	Characteristics	Description
★ WBQP1VS	10	Gloss White	10A	Single socket
★ WBQP1VS-MB	10	Matt Black		
★ WBQP1VS-MW	10	Matt White		



WBQP1VS



- High impact, high gloss UV stabilised polycarbonate
 Spray matt finishes available in matt white and matt black



WBQCV1



WBQCV4

Switch Cover Plates

Description	Available colours	Box qty	Cat ref.
1 gang	Gloss White	10	★ WBQCV1
	Matt Black	10	★ WBQCV1-MB
	Matt White	10	★ WBQCV1-MW
2 gang	Gloss White	10	★ WBQCV2
	Matt Black	10	★ WBQCV2-MB
	Matt White	10	★ WBQCV2-MW
3 gang	Gloss White	10	★ WBQCV3
	Matt Black	10	★ WBQCV3-MB
	Matt White	10	★ WBQCV3-MW
4 gang	Gloss White	10	★ WBQCV4
	Matt Black	10	★ WBQCV4-MB
	Matt White	10	★ WBQCV4-MW
5 gang	Gloss White	10	★ WBQCV5
	Matt Black	10	★ WBQCV5-MB
	Matt White	10	★ WBQCV5-MW
6 gang	Gloss White	10	★ WBQCV6
	Matt Black	10	★ WBQCV6-MB
	Matt White	10	★ WBQCV6-MW



- High impact, high gloss UV stabilised polycarbonate
 Spray matt finishes available in
- matt white and matt black

Socket Cover Plates - horizontal

Description	Available colours	Box qty	Cat ref.
Cover single socket	Gloss White	5	★ WBQCP1
	Matt Black	5	★ WBQCP1-MB
	Matt White	5	★ WBQCP1-MW
Cover double socket	Gloss White	5	★ WBQCP2
	Matt Black	5	★ WBQCP2-MB
	Matt White	5	★ WBQCP2-MW
Cover double socket with extra switch	Gloss White	5	★ WBQCP2XS
	Matt Black	5	★ WBQCP2XS-MB
	Matt White	5	★ WBQCP2XS-MW







Socket Cover Plates - vertical

Description	Available colours	Box qty	Cat ref.
Cover single socket	Gloss White	5	★ WBQCPV1
	Matt Black	5	★ WBQCPV1-MB
	Matt White	5	★ WBQCPV1-MW



WBQCPV1

silhouette so fine, just stunning



Slim switches & sockets that blend into the wall have been a demand in the electrical industry for many years. silhouette has excelled in meeting this demand thanks to a thickness of only 4mm off the wall surface.

The silhouette range follows the Hager design philosophy – our design intention is to create meaningful, simple but elegant forms based on the serene balance of proportions.



Advantages:

- Slim 4mm profile off the wall surface
- Premium finish with real brushed aluminium and stainless steel materials.
- The small size socket base makes it easy to fit off with common mounting accessories.
- Electronic push button switches and dimmers fit into the range with our patented Rotoloc® system.

Characteristics:

- External material:	- UV stabilised polycarbonate
- Switches terminals:	- 4 x 1.5mm2 cables
- Sockets terminals:	- 4 x 2.5mm2 cables









01

With a thickness of only 4mm off the wall surface, silhouette has the lowest profile on the market. 02

For maximum lustre, metal covers have a treated surface to reduce fingerprint marks. 03

Strong impact resistant polycarbonate material will not 'yellow' over time.

04

Our patented Rotoloc® system eliminates the possibility of the mechanism being pushed back into the wall cavity.









05

Generous slots for easy fitment with no need for screw caps to meet standards compliance. 06

A spring loaded shutter protects little fingers from live parts inside sockets.

07

Available in Matt Black, Matt White and Gloss White as well as Stainless steel and aluminium coverplates. 08

A full range of accessories and mechs including electronic push buttons and dimmers are available.





- Multiple mounting holesSupplied with standard 32mm tapered point fixing screws
- No mechanism push back
- High impact high gloss UV stabilised Polycarbonate construction
- 16AX used as standard mechanisms (suitable for fluorescent loads)
- 2 way and loop terminal as standard
- Combination head screws Phillip's #1 'backed off' for ease of cable insertion
- Terminals accommodate 4 x 1.5mm2 cable

Dimension data Page 425





Switch Plates only - No Mechanisms

Description	Available colours	Box qty	Cat ref.
1 gang	White	10	WBSSP1
	Matt Black	10	WBSSP1-MB
	Matt White	10	WBSSP1-MW
2 gang	White	10	WBSSP2
	Matt Black	10	WBSSP2-MB
	Matt White	10	WBSSP2-MW
3 gang	White	10	WBSSP3
	Matt Black	10	WBSSP3-MB
	Matt White	10	WBSSP3-MW
4 gang	White	10	WBSSP4
	Matt Black	10	WBSSP4-MB
	Matt White	10	WBSSP4-MW
5 gang	White	10	WBSSP5
	Matt Black	10	WBSSP5-MB
	Matt White	10	WBSSP5-MW
6 gang	White	10	WBSSP6
	Matt Black	10	WBSSP6-MB
	Matt White	10	WBSSP6-MW
Blank	White	10	WBSSPB



WBSSV1-MW



WBSSV1-MB

Switches

Description	Available colours	Box qty	Cat ref.
1 gang	White	10	WBSSV1
	Matt Black	10	WBSSV1-MB
	Matt White	10	WBSSV1-MW
2 gang	White	10	WBSSV2
	Matt Black	10	WBSSV2-MB
	Matt White	10	WBSSV2-MW
3 gang	White	5	WBSSV3
	Matt Black	5	WBSSV3-MB
	Matt White	5	WBSSV3-MW
4 gang	White	5	WBSSV4
	Matt Black	5	WBSSV4-MB
	Matt White	5	WBSSV4-MW
5 gang	White	5	WBSSV5
	Matt Black	5	WBSSV5-MB
	Matt White	5	WBSSV5-MW
6 gang	White	5	WBSSV6
	Matt Black	5	WBSSV6-MB
	Matt White	5	WBSSV6-MW
40A cooker switches	White	1	WBSCKSV1
1 gang	Matt Black	1	WBSCKSV1-MB
	Matt White	1	WBSCKSV1-MW



silhouette - Sockets and Electronic Push Button Switches

Features

- Removable covers for
- ease of painting
 Transparent blue mounting grid for easy installation
- Multiple mounting holes Terminal screws "backed off"
- Bevelled and colour coded cable entries aligned for ease of termination
- Supplied with standard tapered point 32mm fixing screws

Technical data

- All sockets 250V 50Hz rated
- Extra switch models fitted with 16AX mechanisms
- Hi impact high gloss UV stabilised Polycarbonate construction
- Terminal accommodates 4 x 2.5mm2 cable
- Electronic PB switches are 5A

Dimension data Page 425

Sockets - horizontal

Description	Characteristics	Available colours	Box qty	Cat ref.
Single sockets	10A	White	10	WBSP1S
		Matt Black	10	WBSP1S-MB
		Matt White	10	WBSP1S-MW
	10A 'Round Earth'	White	10	WBSP1R
		Matt Black	10	WBSP1R-MB
	15A	White	5	WBSP115S
		Matt Black	5	WBSP115S-MB
		Matt White	5	WBSP115S-MW
Double sockets	10A	White	10	WBSP2S
		Matt Black	10	WBSP2S-MB
		Matt White	10	WBSP2S-MW
Double socket with extra switch	10A	White	5	WBSP2XS
		Matt Black	5	WBSP2XS-MB
		Matt White	5	WBSP2XS-MW
Double sockets with USB Type A and	10A	White	1	★ WBSP2SUSBAC
Type C		Matt Black	1	★ WBSP2SUSBAC-MB
		Matt White	1	★ WBSP2SUSBAC-MW



WBSP2S



WBSP2S-MB

Sockets - vertical

Cat ref.	Box qty	Available colours	Characteristics	Description
WBSP1VS	5	White	10A	Single sockets
WBSP1VS-MB	5	Matt Black		
WBSP1VS-MW	5	Matt White		



WBSP1VS

Electronic Push Button Switches

Description	Available colours	Box qty	Cat ref.
1 gang	White	1	WBSEV1
2 gang	White	1	WBSEV2
3 gang	White	1	WBSEV3
4 gang	White	1	WBSEV4
5 gang	White	1	WBSEV5
6 gang	White	 1	WBSEV6



WBSEV2

- Hi impact high gloss UV stabilised Polycarbonate, real aluminium or real stainless steel construction
- Matt black, white or clear anodized aluminium or brushed stainless steel finish, to reduce finger printing

Dimension data Page 425







Switch Covers

Description	Available colours	Box qty	Cat ref.
1 gang	Gloss White	5	WBSCV1
	Matt Black	5	WBSCV1-MB
	Matt White	5	WBSCV1-MW
	Aluminium	5	WBSCV1-AL
	Stainless Steel	5	WBSCV1-SS
2 gang	Gloss White	5	WBSCV2
	Matt Black	5	WBSCV2-MB
	Matt White	5	WBSCV2-MW
	Aluminium	5	WBSCV2-AL
	Stainless Steel	5	WBSCV2-SS
3 gang	Gloss White	5	WBSCV3
	Matt Black	5	WBSCV3-MB
	Matt White	5	WBSCV3-MW
	Aluminium	5	WBSCV3-AL
	Stainless Steel	5	WBSCV3-SS
4 gang	Gloss White	5	WBSCV4
	Matt Black	5	WBSCV4-MB
	Matt White	5	WBSCV4-MW
	Aluminium	5	WBSCV4-AL
	Stainless Steel	5	WBSCV4-SS
5 gang	Gloss White	5	WBSCV5
	Matt Black	5	WBSCV5-MB
	Matt White	5	WBSCV5-MW
	Aluminium	5	WBSCV5-AL
	Stainless Steel	5	WBSCV5-SS
6 gang	Gloss White	5	WBSCV6
	Matt Black	5	WBSCV6-MB
	Matt White	5	WBSCV6-MW
	Aluminium	5	WBSCV6-AL
	Stainless Steel	5	WBSCV6-SS
Blank	Matt Black	5	WBSCPB-MB
	Matt White	5	WBSCPB-MW
Special Application Plate	Aluminium	5	WBSCSEA2-AL
Suits WBSSEA2	Stainless Steel	5	WBSCSEA2-SS



- Hi impact high gloss UV stabilised Polycarbonate
 Spray matt finishes available in matt white and matt black

Dimension data Page 425

Socket Covers - horizontal

Description	Available colours	Box qty	Cat ref.
Cover single socket	Gloss White	5	WBSCP1
	Matt Black	5	WBSCP1-MB
	Matt White	5	WBSCP1-MW
	Aluminium	5	WBSCP1-AL
	Stainless Steel	5	WBSCP1-SS
Cover double socket	Gloss White	5	WBSCP2
	Matt Black	5	WBSCP2-MB
	Matt White	5	WBSCP2-MW
	Aluminium	5	WBSCP2-AL
	Stainless Steel	5	WBSCP2-SS
Cover double socket with extra switch	Gloss White	5	WBSCP2X
	Matt Black	5	WBSCP2X-MB
	Matt White	5	WBSCP2X-MW
	Aluminium	5	WBSCP2X-AL
	Stainless Steel	5	WBSCP2X-SS



WBSCP2-SS



Socket Covers - vertical

Description	Available colours	Box qty	Cat ref.
Cover single socket	Gloss White	5	WBSVCP1
	Matt Black	5	WBSVCP1-MB
	Aluminium	5	WBSVCP1-AL
	Stainless Steel	5	WBSVCP1-SS



WBSVCP1-AL

premiere An award-winning modern day classic

When the space demands accessories that don't dominate, choose a design that combines classic aesthetics with modern day benefits for a simple and stylish look.

Quietly offering functionality and a beautifully understated form, you can now add a finishing touch to your decor with premiere Switches and Sockets.







01

Available in white and black colour options.

02

Strong impact resistant polycarbonate material will not 'yellow' over time.





03

A spring loaded shutter protects little fingers from live parts inside sockets.

04

Our patented Rotoloc® system eliminates the possibility of the mechanism being pushed back into the wall cavity.



- Transparent mounting grid for easy installation
- Multiple mounting holes
- Supplied with standard 32mm tapered point fixing screws

 No mechanism push back
- High impact, high gloss UV stabilised polycarbonate construction
- Removable surrounds for ease of painting







Switch Plates only - No Mechanisms

Description	Available colours	Box qty	Cat ref.
1 gang	Gloss White	10	WBSP1
	Black	10	WBSP1-BK
2 gang	Gloss White	10	WBSP2
	Black	10	WBSP2-BK
3 gang	Gloss White	10	WBSP3
	Black	10	WBSP3-BK
4 gang	Gloss White	10	WBSP4
	Black	10	WBSP4-BK
5 gang	Gloss White	10	WBSP5
	Black	10	WBSP5-BK
6 gang	Gloss White	10	WBSP6
	Black	10	WBSP6-BK
Blank	Gloss White	10	WBSPB



- Transparent mounting grid for easy installation
- Multiple mounting holes
- Supplied with standard 32mm tapered point fixing screws
- No mechanism push back
- High impact, high gloss UV stabilised polycarbonate construction
- Removable surrounds for ease of painting
- Rocker features in-built arc shield and chemical resistant pivots
- All plates fitted with 16AX mechanisms (suitable for fluorescent loads)
- 2 way and loop terminal as standard
- Combination head screws Phillip's #1 'backed off' for ease of cable insertion
- Terminals accommodate 4 x 1.5mm² cable

Dimension data Page 430





Large Plate Switches - vertical

Description	Available colours	Box qty	Cat ref.
1 gang	Gloss White	10	WBSV1
	Black	10	WBSV1-BK
2 gang	Gloss White	10	WBSV2
	Black	10	WBSV2-BK
3 gang	Gloss White	5	WBSV3
	Black	5	WBSV3-BK
4 gang	Gloss White	5	WBSV4
	Black	5	WBSV4-BK
5 gang	Gloss White	5	WBSV5
	Black	5	WBSV5-BK
6 gang	Gloss White	5	WBSV6
	Black	5	WBSV6-BK



WBSV1-BK

Large Plate switches - horizontal

Description	Available colours	Box qty	Cat ref.
1 gang	Gloss White	10	WBSH1
2 gang	Gloss White	10	WBSH2
3 gang	Gloss White	5	WBSH3



WBSH2



Architrave Switches features

- Supplied with both a premiere and a visage cover for your choice
- Common cover and mounting centres
- Supplied with 12mm tapered point fixing screws

Fan Controller features

- Fan knobs cannot be removed once installed into plate

Card Entry features

- Micro switch controlledSupplied with card

Dimension data Page 431





Architrave Switches

Description	Available colours	Box qty	Cat ref.
1 gang	Gloss White	10	WBSA1
	Black	10	WBSA1-BK
2 gang	Gloss White	10	WBSA2
	Black	10	WBSA2-BK
3 gang	Gloss White	5	WBSA3
	Black	5	WBSA3-BK



WBSF3

Other products

Description	Available colours	Box qty	Cat ref.
Fan controller 3 speed capacitance	Gloss White	1	WBSF3
250V 75A	Black	1	WBSF3-BK
TV plate - PAL 75 OHM	Gloss White	10	WBTV75
TV plate - 'F' to 'F' pay TV	Gloss White	10	WBTV75PY
Permanent connection plate	Gloss White	5	WRPPCII



- Removable surrounds for ease of painting
- Transparent mounting grid for easy installation
- Multiple mounting holes Supplied with standard 32mm fixing screws High impact, high gloss UV
- stabilised polycarbonate

IP66 features

- 16A rated mechanism
- 2 way as standard
- Loop terminal as standard
- Terminals take 4 x 1.5mm² cable
- All IP66 switches can be mounted onto the WBBMI for surface mounting
- Designed to ensure IP66 when installed on suitable flat, smooth, non water absorbent surfaces
- Factory sealed IP tested gaskets
- IP rating maintained with sealing plugs in place

Dimension data Page 431

RotoLoc 💭



IP66 Large Plate Switches - vertical

Description	Available colours	Box qty	Cat ref.
1 gang	Gloss White	1	WBWSV1
	Black	1	WBWSV1-BK
2 gang	Gloss White	1	WBWSV2
	Black	1	WBWSV2-BK
3 gang	Gloss White	1	WBWSV3
	Black	1	WBWSV3-BK
4 gang	Gloss White	1	WBWSV4
	Black	1	WBWSV4-BK
3 gang with Light/Fan/Heat	Gloss White	1	WBWSV3LFH
printed mechs	Black	1	WBWSV3LFH-BK
4 gang with Light/Fan/Heat/Heat printed mechs	Gloss White	1	WBWSV4LFHH
	Black	1	WBWSV4LFHH-BK



WBWSV3LFH



WBWSV4LFHH-BK

IP66 Large Plate Switches - horizontal

Description	Available colours	Box qty	Cat ref.
1 gang	Gloss White	1	WBWSH1
	Black	1	WBWSH1-BK
2 gang	Gloss White	1	WBWSH2
	Black	1	WBWSH2-BK
3 gang	Gloss White	1	WBWSH3
	Black	1	WBWSH3-BK
4 gang	Gloss White	1	WBWSH4
	Black	1	WBWSH4-BK
3 gang with Light/Fan/Heat printed mechs	Gloss White	1	WBWSH3LFH
	Black	1	WBWSH3LFH-BK
4 gang with Light/Fan/Heat/Heat printed mechs	Gloss White	1	WBWSH4LFHH
	Black	1	WBWSH4LFHH-BK



WBWSH3LFH



WBWSH4LFHH-BK

- Common cover
- Removable covers for ease of painting
- Transparent mounting grid for easy installation
- Multiple mounting holes
- Terminal screws "backed off"
- Bevelled and colour coded cable entries aligned for ease of termination
- Supplied with standard tapered point 32mm fixing screws

Technical data

- All sockets 250V 50Hz rated
- Extra switch models fitted with 16AX mechanisms
- High impact, high gloss UV stabilised polycarbonate construction
- Terminal accommodates 4 x 2.5mm² cable

Dimension data Page 430





WBP1S



WBP115S-BK

Single Sockets - horizontal

Description	Available colours	Box qty	Cat ref.
10A	Gloss White	10	WBP1S
	Black	10	WBP1S-BK
15A	Gloss White	5	WBP115S
	Black	5	WBP115S-BK
20A	Gloss White	5	WBP120
10A double pole	Gloss White	10	WBP1DS
15A	Gloss White	5	WBP115DS
10A with extra switch	Gloss White	5	WBP1XS
	Black	5	WBP1XS-BK
10A with 2 extra switches	Gloss White	5	WBP1XXS
	Black	5	WBP1XXS-BK
10A with round earth pin	Gloss White	5	WBP1R
	Black	5	WBP1R-BK



WBP1VS



WBP1VXS-BK

Single Sockets - vertical

Description	Available colours	Box qty	Cat ref.
10A	Gloss White	5	WBP1VS
	Black	5	WBP1VS-BK
	Red	5	WBP1VS-RD
15A	Gloss White	5	WBP115VS
	Black	5	WBP115VS-BK
10A with extra switch	Gloss White	5	WBP1VXS
	Black	5	WBP1VXS-BK
10A with 2 extra switches	Gloss White	5	WBP1VXXS
	Black	5	WBP1VXXS-BK



- Common cover
- Removable covers for ease of painting
- Transparent mounting grid for easy installation
- Multiple mounting holes
- Terminal screws "backed off"
- Bevelled and colour coded cable entries aligned for ease of termination
- Supplied with standard tapered point 32mm fixing screws
- 4 outlet sockets have same mounting centres as double socket outlets.

Technical data

- All sockets 250V 50Hz rated with 16AX mechanisms
- Extra switch models fitted with 16AX mechanisms
- High impact high gloss UV stabilised polycarbonate construction
- Terminal accommodates 4 x 2.5mm² cable

Dimension data Page 430 and 431





Double Sockets - horizontal

Description	Available colours	Box qty	Cat ref.
10A	Gloss White	10	WBP2S
	Black	10	WBP2S-BK
	Red	10	WBP2S-RD
10A double pole	Gloss White	10	WBP2DS
10A with extra switch	White	5	WBP2XS
	Black	5	WBP2XS-BK
10A with circuit id	Gloss White	10	WBP2CID
	Black	10	WBP2CID-BK
Double sockets + USB Type A and C	Gloss White	1	WBP2SUSBAC



Double Sockets - vertical

Description	Available colours	Box qty	Cat ref.
10A	Gloss White	10	WBP2VS
	Black	10	WBP2VS-BK
10A with extra switch	Gloss White	5	WBP2VXS
	Black	5	WBP2VXS-BK



WBP2VS

4 Outlet Sockets - horizontal

Description	Available colours	Box qty	Cat ref.
10A	Gloss White	4	WBP4S
	Black	4	WBP4S-BK
10A with extra switch	Gloss White	4	WBP4XS
	Black	4	WBP4XS-BK



WBP4S



WBP4XS



- Surrounds to fit to premiere range
- Easily removable for cleaning
 Manufactured from tempered glass, slate or polycarbonate



Standard Polycarbonate Surrounds

Description	Available colours	Box qty	Cat ref.
Single product surround	Gloss White	10	WBC1Z
	Black	10	WBC1Z-BK
2 product vertical surround	Gloss White	10	WBC2V
	Black	10	WBC2V-BK
2 product horizontal surround	Gloss White	10	WBC2H
	Black	10	WBC2H-BK

412





- HDMI modules can be easily mounted into any of the 'SEA2' plates
- The HDMI connection can be used in conjunction with HD TV and Audio devices

Dimension data:

Page 427, 429

HDMI Connection Modules

Description	Available colours	Box qty	Cat ref.
HDMI passthrough	White	1	★ WS263



silhouette Module Plates

Description	Available colours	Box qty	Cat ref.
2 module	White	10	WBSSEA2



WBSSEA2

allure Module Plates

Description	Available colours	Box qty	Cat ref.
2 module	White	10	★ WBHSEA2
	Matt Black	10	★ WBHSEA2-MB
	Matt White	10	★ WBHSEA2-MW
3 module	White	10	★ WBHSEA3
	Matt Black	10	★ WBHSEA3-MB
	Matt White	10	★ WBHSEA3-MW



finesse Module Plates

Description	Available colours	Box qty	Cat ref.
2 module plate	White	10	★ WBQSEA2
	Matt Black	10	★ WBQSEA2-MB
	Matt White	10	★ WBQSEA2-MW
3 module	White	10	★ WBQSEA3
	Matt Black	10	★ WBQSEA3-MB
	Matt White	10	★ WBQSEA3-MW





- Slave Push Button Switch available
- All electronic mechanisms are EMC compliant
- Supplied with White, Matt Black and Matt White caps or rotary knob

Technical information Page 432





Electronic Push Button Switch Mechanism

Description	Available colours	Box qty	Cat ref.
230/240V AC 1200W	○ White Complete with MB and MW interchangeable coloured caps	5	WBME5A



Electronic Push Button Universal Dimmer Mechanism

Description	Available colours	Box qty	Cat ref.
250W - LED loads 300W - Incandescent loads	White Complete with MB and MW interchangeable coloured caps	5	★ WBMDUPB



Electronic Universal Rotary Dimmer Mechanism

Description	Available colours	Box qty	Cat ref.
250W - LED loads 300W - Incandescent loads	White Complete with MB and MW knobs	5	★ WBMDUR



Electronic Push Button Slave Mechanism

Description	Available colours	Box qty	Cat ref.
To be used only in conjunction with either WBMDUPB, WBMDUR or WBME5A.	White Complete with MB and MW interchangeable coloured caps	5	★ WBMSLL



WBAEDB



Dimmer Caps and Knobs

Description	Available colours	Cat ref.
Dimmer caps for WBMDUPB and WBMSLL	Gloss White	★ WBAEDB
	Gloss Black	★ WBAEDB-BK
	Matt Black	★ WBAEDB-MB
	Matt White	★ WBAEDB-MW
Dimmer knob for WBMDUR	Gloss White	★ WBAEDK
	Gloss Black	★ WBAEDK-BK
	Matt Black	★ WBAEDK-MB
	Matt White	★ WBAEDK-MW



- Easy mechanism removal
- Rear housing colour coded for easy recognition of mechanism type
- All terminal screws are combination head Phillips No. 1 and backed off

Technical data:

- 3mm contact gap in WBM16AXAll 250V mechanism's
- have M60 motor rating
- 32A and 20AX mechanism 'socket size' terminal accommodates 2 x 4mm2 cables
- Intermediate and double pole have 75% of terminal screws accessible from 1 direction
- Trminals accommodate 4 x 1.5mm2 cables
- Push mech rated at 10A
- Tactile mech rated 6A

Technical information Page 433, 434





250V PB Mechanisms

Description	Available colours	Box qty	Cat ref.
LED for push button	Blue	20	★ WBAPBLED
10A flush push button - 2 way	White	5	★ WBMPB
	Matt Black	5	★ WBMPB-MB
	Matt White	5	★ WBMPB-MW
6A 240V push button tactile/momentary mech (Available early 2022)	White	5	★ WBMTPB
	Matt Black	5	★ WBMTPB-MB
	Matt White	5	★ WBMTPB-MW



250V Mechanisms

Cat ref	Box qty	Available colours	Description
WBM16AX	5	White	16A AX rated STANDARD
WBM16AX-B	5	Black	
WBM16AX-MV	5	Matt White	
WBM16AX-ME	5	Matt Black	
WBM16AX-RD	5	Red	
WBM20	5	White	20A Standard
WBM20-B	5	Black	
WBM20-MV	5	Matt White	
WBM20-ME	5	Matt Black	
WBM16AXI	5	White	16A AX rated with lens
WBM16AXL-B	5	Black	
WBM16AXN	5	White	16A AX rated with neon light
WBM10E	5	White	10A double pole
WBM10D-B	5	Black	
WBM10D-MV	5	Matt White	
WBM10D-ME	5	Matt Black	
WBM10	5	White	10A intermediate
WBM10I-BI	5	Black	
WBM10I-MW	5	Matt White	
WBM10I-ME	5	Matt Black	
WBM20A)	5	White	20A AX rated 1 way only
WBM20AX-B	5	Black	
WBM20AX-MV	5	Matt White	
WBM20AX-ME	5	Matt Black	
WBM32	5	White	32A 1 way only
WBM32-BH	5	Black	
WBM32-MV	5	Matt White	
WBM32-ME	5	Matt Black	
WBM15F	5	White	15A press
WBM15P-MV	5	Matt White	
WBM15P-ME	5	Matt Black	
WBM15PE	5	White	15A without printed "press"
WBM15PB-MV	5	Matt White	
WBM15PB-ME	5	Matt Black	



WBM16AX Standard Mechanism





WBM16AXN



WBM10D-MB



WBM10I-MB



WBM15P-MB



- Easy mechanism removal
- Rear housing colour coded for easy recognition of mechanism type
- All terminal screws are combination head Phillips No. 1 and backed off

Technical data

- 3mm contact gap in WBM16AX
- All 250V mechanism's have M60 motor rating
- Intermediate and double pole have 75% of terminal screws accessible from 1 direction
- 10A, 16AX and 20A terminals accommodate 4 x 1.5mm2 cables
- Push mech rated at 10A

 32A and 20AX mechanism 'socket size' terminal accommodates
 2 x 4mm2 cables

Technical information Page 434





WBM16L



WBM20F



WBM20H



NBM32HO



250V Printed Mechanisms

Cat ref	Box qty	Available colours	Description
WBM16L	5	White	LIGHT' 16A AX 2 way
WBM16L-BK	5	Black	
WBM16L-MW	5	Matt White	
WBM16L-ME	5	Matt Black	
WBM20F	5	White	FAN' 20A 1 way
WBM20F-BM	5	Black	
WBM20F-MW	5	Matt White	
WBM20F-ME	5	Matt Black	
WBM20F	5	White	HEAT' 20A 1 way
WBM20H-BK	5	Black	
WBM20H-MW	5	Matt White	
WBM20H-ME	5	Matt Black	
WBM20HW	5	White	'HOT WATER' 20A 1 way
WBM32HW-ME	5	Matt Black	'HOT WATER' 32A 1 way
WBM32HW-MW	5	Matt White	
WBM20SN	5	O White	SENSOR' 20A 1 way
WBM32HC	5	White	'HOB' 32A 1 way
WBM32HO-BK	5	Black	
WBM32HO-MW	5	Matt White	
WBM32H-ME	5	Matt Black	
WBM320	5	White	'OVEN' 32A 1 way
WBM32O-BK	5	Black	
WBM32O-MW	5	Matt White	
WBM32O-ME	5	Matt Black	
WBM32F	5	White	'RANGE' 32A 1 way
WBM32R-BM	5	Black	
WBM32R-MW	5	Matt White	
WBM32R-ME	5	Matt Black	



- Easy mechanism removal

Technical data

- Terminals accommodate 4 x 1.5mm2 cables

Technical information Page 434





Description	Available colours	Box qty	Cat ref.
10A 3 position rotary	White	10	WBM10R3
10A 3 pos. rotary - w/ capacitor (fan)	Matt Black	10	WBMSF3-MB
	Matt White	10	WBMSF3-MW
10A 3 pos. rotary - Auto/Manual	White	10	WBM10RAM
10A 3 pos. rotary - Lo/Hi	White	10	WBM10RLH
10A 3 pos. rotary - Sensor	White	10	WBM10RSN
10A 3 pos. rotary - Up/Down	White	10	WBM10RUD
Rotary Knob to suit rotary mechs	White	10	WBARK1
	Black	10	WBARK1-BK
	Matt White	10	WBARK1-MW
	Matt Black	10	WBARK1-MB



WBM10R3



WBARK



Rotoloc Data Mechanisms

- Data Mechs are tested and approved to the following standards where relevant:

ANSI/TIA-568-C.2-2009 ISO/IEC 11801-1 IEC 60603-7-2 AS/CA S008:2015I

Audio Connectors

- RCA jacks have 'F' connection at rear
- Available in multiple colours for maximum installation flexibility
- Speaker connectors suitable for both bare wire termination and banana plugs

Technical information: Page 439, 440





WBMTV75PF



WBMTV75PY-MB

TV Mechanisms

Description	Available colours	Box qty	Cat ref.
'F' to PAL type mechanism	White	10	WBMTV75PF
	Black	10	WBMTV75PF-BK
	Matt White	10	WBMTV75PF-MW
	Matt Black	10	WBMTV75PF-MB
TV socket mechanism 3GHz 75Ohm Foxtel approved	White	10	WBMTV75PY
	Black	10	WBMTV75PY-BK
	Matt White	10	WBMTV75PY-MW
	Matt Black	10	WBMTV75PY-MB



WBMCAT6-MW



WBMCAT6A

Rotoloc Data Mechanisms

Description	Available colours	Box qty	Cat ref.
8 Pin Cat5e	O White	10	WBMCAT5
8 Pin Cat6	White	10	WBMCAT6
	Black	10	WBMCAT6-BK
	Matt White	10	WBMCAT6-MW
	Matt Black	10	WBMCAT6-MB
8 Pin Cat6A	White	10	WBMCAT6A



WBMHDMI

Audio Connectors

Description	Available colours	Box qty	Cat ref.
M/M HDMI pass through	White	5	WBMHDMI
	Matt Black	5	WBMHDMI-MB
	Matt White	5	WBMHDMI-MW
RCA connectors for composite audio/video - 1 x red, 1 x white, 1 x yellow	White	5	WBMRCA1
	Black	5	WBMRCA1-BK



Circuit ID features:

- Circuit ID cannot be removed from front of plate once installed

Technical data

- Cord grip mechanism will accept light and heavy duty flexible cables
 Circuit ID labels supplied in
- sheets of 10, A4 size.



RotoLoc 🕟

Special Mechanisms

Description	Available colours	Box qty	Cat ref.
Cord grip mechanism	White	5	WBMPCU
Circuit ID mechanism	White	5	WBMCID
Blank mechanism	White	5	WBMBP
	Black	5	WBMBP-BK
ELV tactile mechanism	White	5	WBMLVT
extra low voltage tactile switch momentary contact	Black	5	WBMLVT-BK
	Matt White	5	WBMLVT-MW
ELV tactile mechanism + neon extra low	White	5	WBMLVTN
voltage tactile switch with LED indication momentary contact	Black	5	WBMLVTN-BK
	Matt White	5	WBMLVTN-MW
	Matt Black	5	WBMLVTN-MB
Neon lights	250V Neon – red	5	WBM250NRD
	250V Neon – amber	5	WBM250NAM
	250V Neon – green	5	WBM250NGR
	250V Neon – clear	5	WBM250NCL
USB Mechanism 1 x TYPE A 1 x TYPE C	White	1	★ WBMUSBAC
	Black	1	★ WBMUSBAC-BK
	Matt White	1	★ WBMUSBAC-MW
	Matt Black	1	★ WBMUSBAC-MB



WBMCID



WBMBP







WBM250NRD



Mounting Block features

- Hi Impact UV stabilised Polycarbonate
- Compatible with all large plate switches and sockets

Surface sockets features

- Safety Shroud for extra security and safety.Can be tested when fitted
- Can be tested when fitted to mounting plate

Dimension data Page 441



WBBMD



WBSBMD



WBBMI

Mounting Accessories

Description	Available colours	Box qty	Cat ref.
premiere Mounting block 32mm deep	White	5	WBBMD
	Black	5	WBBMD-BK
silhouette mounting block 32mm deep	White	5	WBSBMD
	Matt Black	5	WBSBMD-MB
allure mounting block	White	5	★ WBHMBD
	Matt Black	5	★ WBHMBD-MB
finesse mounting block 84mm interaxe	White	5	★ WBQMBD
	Matt Black	5	★ WBQMBD-MB
premiere Mounting block 18mm deep	White	5	WBBMS
premiere Mounting block to suit 4 gang outlet	White	4	WBBM4
Insulated back to suit 4 gang mounting block	White	8	WBBM4BP
premiere Insulated mounting block 32mm	White	10	WBBMI
deep	Black	10	WBBMI-BK
premiere Surface mounting kit 29mm deep suits premiere plates only	White	5	WBBSMK
	Black	5	WBBSMK-BK
Wall box 1 gang moulded plastic		10	WBBWB



WBAP1

Surface Sockets

Description	Characteristics	Available colours	Box qty	Cat ref.
Single surface sockets	10A	White	10	WBAP1
	15A	White	10	WBAP115
with round earth pin	10A	White	10	WBAP1R
Replacement mounting plate			30	WBAP1MP



Junction Box feature

- Includes quickfix screws and terminal connectors

Shrouds

- Shroud for insulating live parts

Dimension data Page 441

Junction Boxes

Description	Available colours	Box qty	Cat ref.
Giant junction box with quick fix screws and 4 cable connectors	White	5	WBAJB4
Standard junction box with quick fix screws and 3 cable connectors	White	10	WBAJB4S



Shrouds and Covers

Description	Box qty	Cat ref.
Insulating shroud size 2 suits premiere products	10	WBBS2
Paint cover suits premiere products only	30	WBAPC



Miscellaneous

Description	Box qty	Cat ref.
M3.5 X 50mm long pan head tapered point mounting screw 50 screws per box	50	WBASC50
Mechanism removal tool		WBMS
Screw connectors - single	100	WBAC1B
Screw connectors - twin	50	WBAC2B







Description

Our surface mounted range of IP rated switches and sockets are designed for outdoor applications. Easy to install with two single screws fixing the top cover to the base.

Electrical Specification Switch - 16A, 250V AC Single pole 2 way with loop Socket - 10/15A, 250V AC Single pole

Mechanical specification

- IP66 for switchesIP53 for sockets
- External material is UV stabilised polycarbonate

Dimension data Page 442



WBWS216

Switches

Cat ref.	Box qty	Characteristics	Description
WBWS116	1	1 gang	16A IP66 switches
WBWS216	1	2 gang	



WBWP1S

Single Sockets

Description	Characteristics	Box qty	Cat ref.
IP53 single socket	10A	1	WBWP1S
	15A	1	WBWP115S
IP53 single socket (White)	10A	1	★ WBWP1S-W
	15A	1	★ WBWP115S-W



WBWP2S

10A Double Sockets

Description	Characteristics	Box qty	Cat ref.
10A, IP53 double socket		1	WBWP2S
	shallow mount	1	WBWP2SH
10A, IP53 double socket (White)		1	★ WBWP2S-W
	shallow mount	1	★ WBWP2SH-W



WBWP2SH



Description

Our range of Weatherproof Isolators are designed to be used in indoor or outdoor applications with IP66 degree of protection. They are switch disconnectors for 2, 3 and 4 pole supply, from 20A to 63A. Rated at AC-23A, they can also be used to isolate motor/compressor loads without derating. They provide ample wiring room and are easy to install with a 2 screw quick release top cover.

Electrical Specification

- AS/NZS IEC 60947-3
- Rated voltage: 250V AC 50/60Hz 440V AC 50/60Hz
- Utilization category AC-21A, AC-22A, AC-23A for switching any type of load from resistive to highly inductive loads

Mechanical Specification

- IP66
- External material is UV stabilised polycarbonate
- Ø25mm top and bottom cable entry hole caps
- Ø25mm and Ø20mm conduit entry knock-cuts
- Ø20mm mounting holes
- Handle provides Ø6mm shank padlocking facility (ON & OFF position)

Technical information Page 443

2 pole Isolators

2 pole Isolators		Operationa	al power input	t		
Description	Characteristics	AC-21A	AC-22A	AC-23A	Box qty	Cat ref.
IP66	20A	4.8kW	4.0kW	3.3kW	1	JG220IN
1 1	32A	7.6kW	6.4kW	5.2kW	1	JG232IN
11 ₀	40A	9.5kW	8.0kW	6.5kW	1	JG240IN
))	63A	15kW	12.6kW	10.2kW	1	JG263IN



JG240IN

3 pole Isolators

3 pole Isolators	Operational power input					
Description	Characteristics	AC-21A	AC-22A	AC-23A	Box qty	Cat ref.
IP66	20A	14.5kW	12.2kW	9.9kW	1	JG320IN
\bot \bot \bot	32A	23.2kW	19.5kW	15.9kW	1	JG332IN
\\\	40A	29kW	24.4kW	19.8kW	1	JG340IN



JG340IN

4 pole Isolators

4 pole Isolators		Operationa	l power input			
Description	Characteristics	AC-21A	AC-22A	AC-23A	Box qty	Cat ref.
IP66	20A	14.5kW	12.2kW	9.9kW	1	JG420IN
N	32A	23.2kW	19.5kW	15.9kW	1	JG432IN
ŶŶ\$\ }	40A	29kW	24.4kW	19.8kW	1	JG440IN
\\\	63A	45.6kW	38.4kW	31.2kW	1	JG463IN



JG440IN



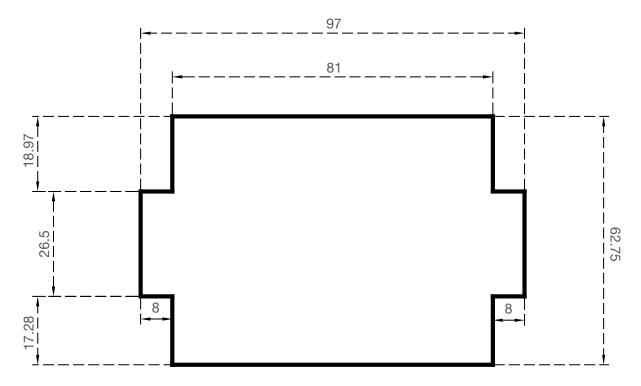
Regulatory Compliance Mark (RCM)



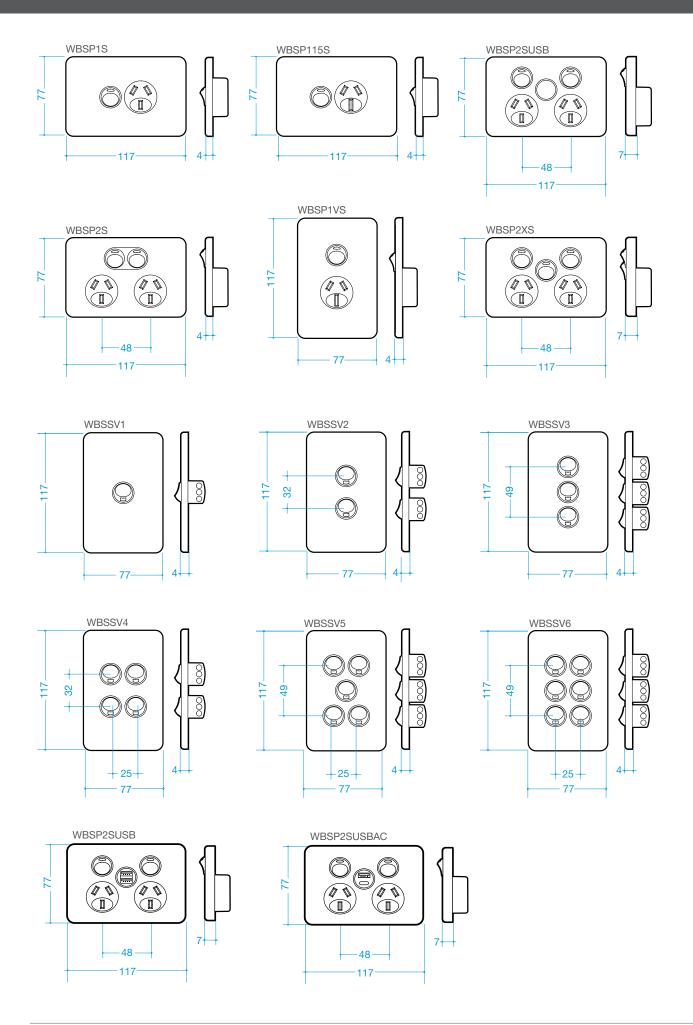
	Product	Max No. of cable	Max No. of cable cores to each terminal hole				
		1.0mm2	1.5mm2	2.5mm2	4.0mm2	6.0mm2	Motor rating
Switch mechanisms	10A mechanism		4				M40
	16A mechanism		4				M60
	16AX mechanism		4				M60
	20A mechanism		4				M60
	20AX mechanism				2		M80
	32A mechanism				2		M80
	Card entry switches		4				N/A
Sockets	10A mechanism			4			N/A
	15A mechanism			4			N/A
	20A mechanism			4			N/A
	Screw connectors			4	3	2	N/A

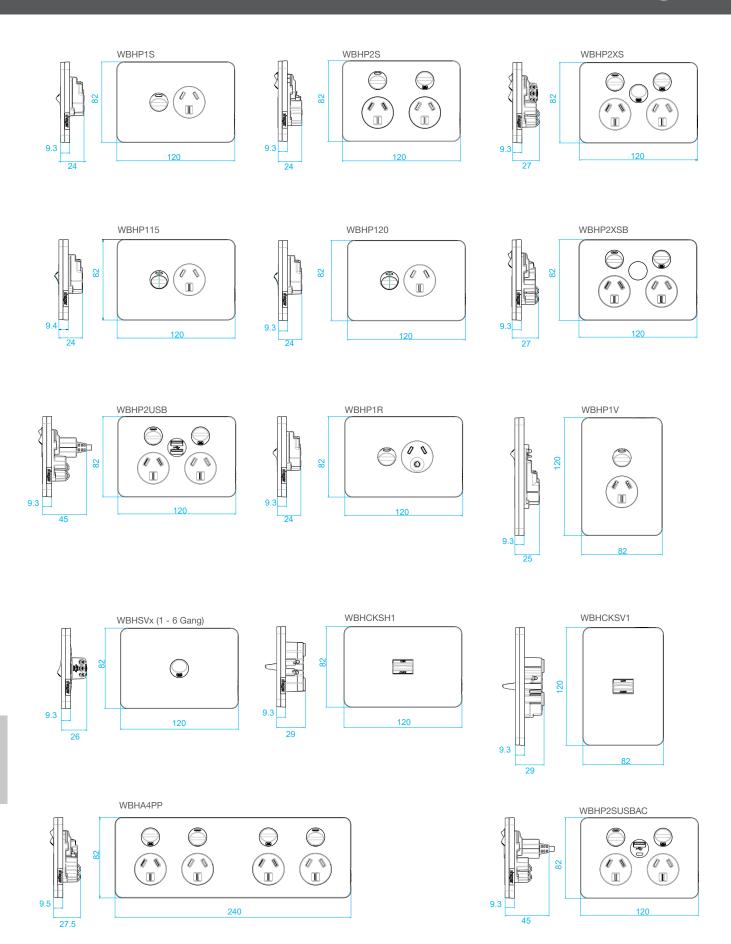
Motor Rating - Indicated on the mechanism as Mxx, where xx is the nominated locked rotor current in amperes (as per AS/NZS3133:2008)

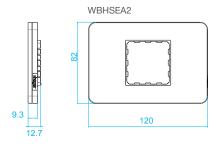
Switches and sockets cutout dimensons

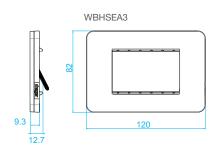


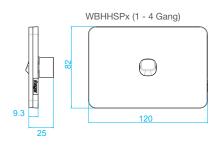
Cut out (mm) - Suits allure, finesse, silhouette & premiere ranges

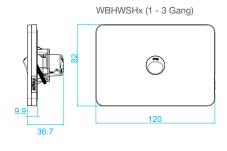


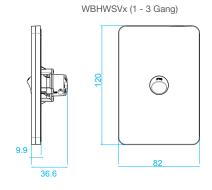


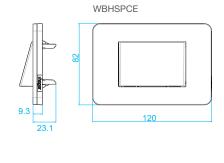




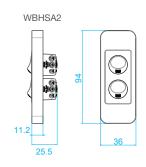


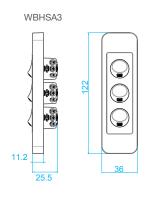


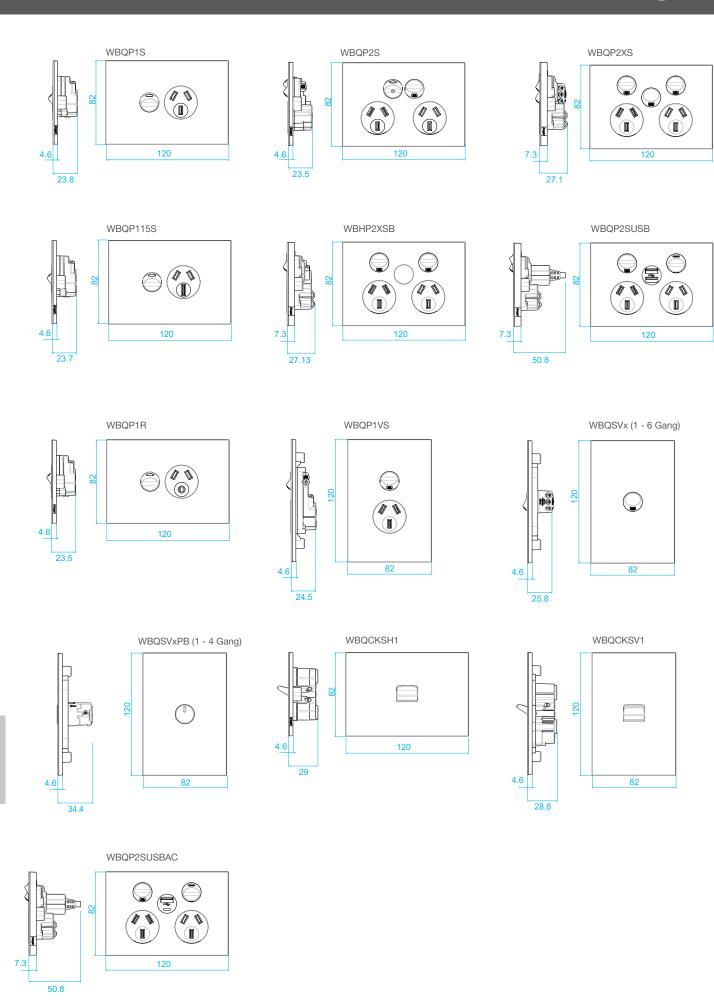




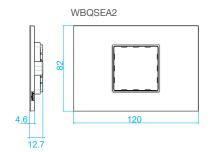


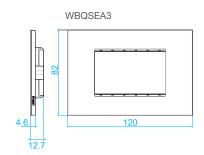


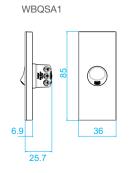


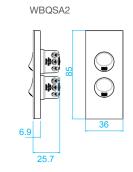


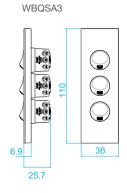
:hager

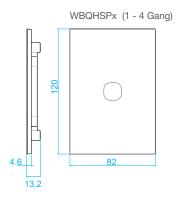


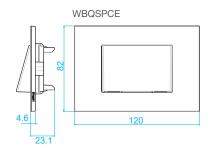


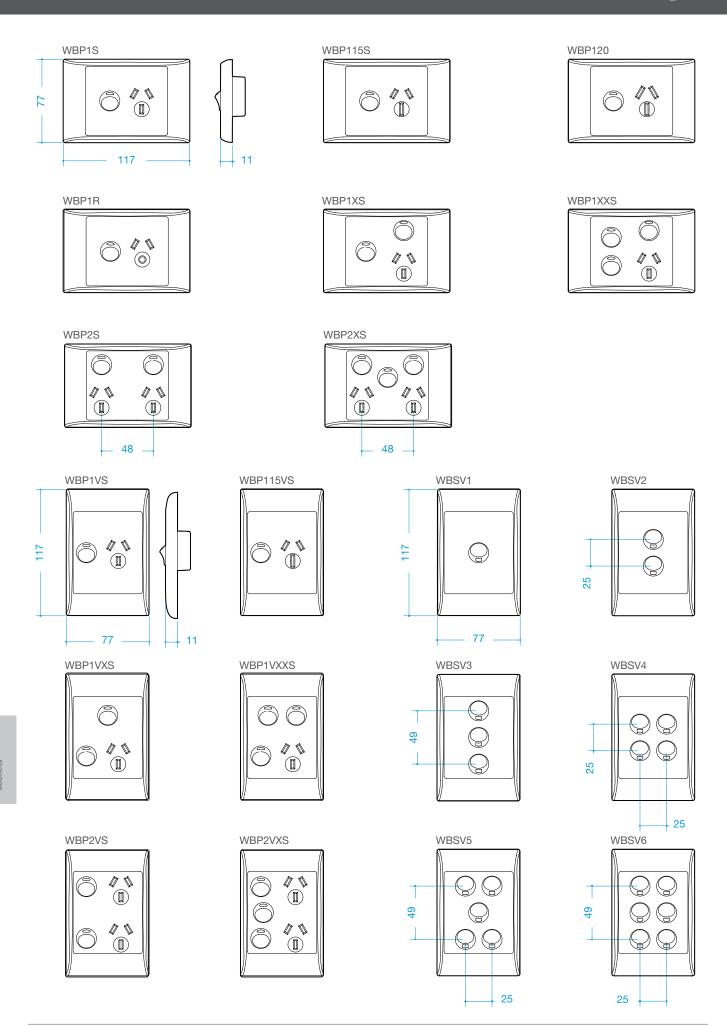




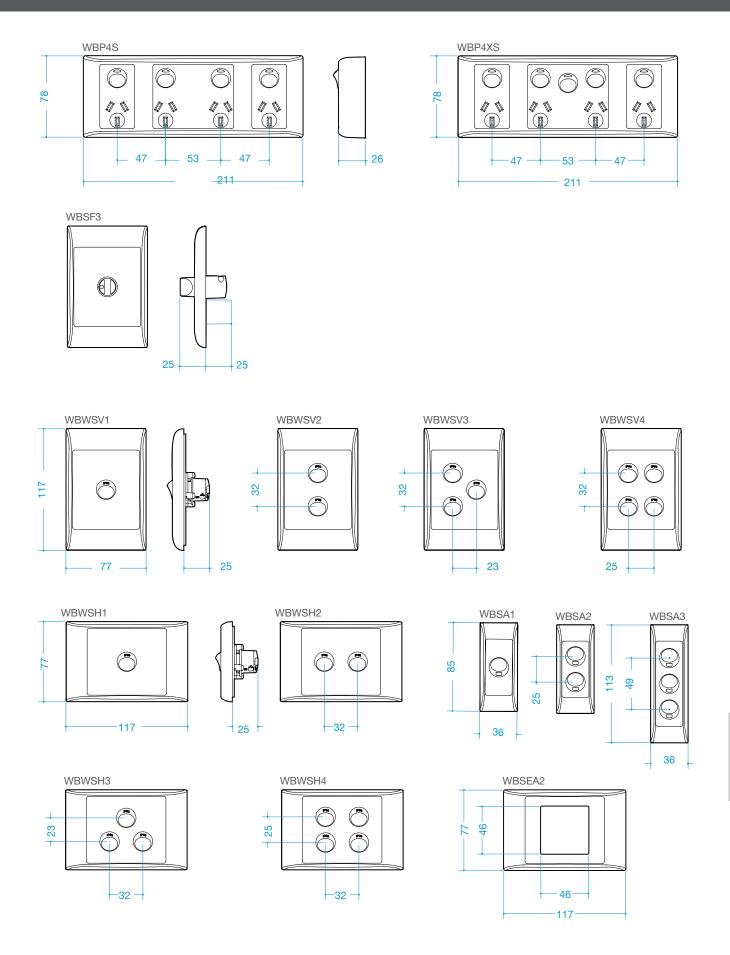


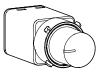






:hager









WBMDUR

WBMDUPB

WBMSLL

Programmable to:

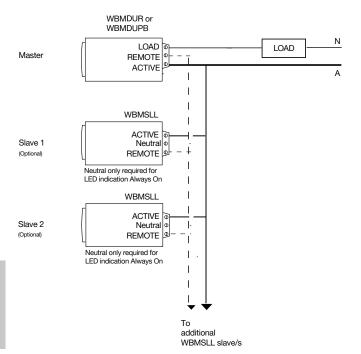
- Set minimum brightness
- Reduce max brightness (fixes reduction)
- Kick start
- Restore last position after power loss

Warnings:

- Derating of units is required if multi-ganging - see table below.
- Variation in transformers can result in differing maximum numbers
- that can be connected to the dimmer.
- Not all LED lights are compatible with the dimmer due to many different LED brands and drivers. Always test the compatibility with your desired LED lights before installing.

NOTE: WBMSLL slave LED indication is not based on load status. Slave LED indication can only be either permanently

Wiring Diagram



NOTE: ONLY 1 Master per load group

It is not possible to use the WBMDUR or WBMDUPB as a secondary control device or slave for the same load. (i.e. 2x WBMDUPB's cannot be wired together to control the same load).

Dimmer specification	WBMDUR / WBMDUPB/
Voltage	230V a.c. +10% / -10%
Frequency	50Hz
Operating temperature	-5 50°C
Storage temperature	-20 70°C
Humidity	0% 65% RH
IP Class	IP2X
LED Dimmable 240V	3W (min) 250W (max)
Max number LED lights	20 (not exceeding 250W)
Incandescent lamps	7W 300W
Halogen with electronic Tx	20W 350W

Dimmer specification	WBMSLL
Voltage	230V a.c. +10% / -10%
Frequency	50Hz
Operating temperature	-5 50°C
Storage temperature	-20 70°C
Humidity	0% 65% RH
IP Class	IP2X

When operating dimmers in combination with others beneath a cover plate, the maximum connected load must be reduced depending on the number of dimmers.

Number of dimmers per combination	Connect load reduction
1	100%
2	75%
3	55%
4	40%
5	35%
6	30%

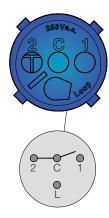
:hager

WBM15P 15A Press mechanisms



C - Common terminal

- 1 N/O terminal
- 2 N/C terminal
- L loop

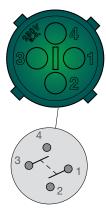


WBM10D 10A double pole mechanism



1 - Fixed terminal

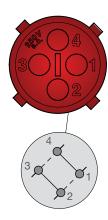
- 3 Fixed terminal
- 2 N/O Contact 4 N/O Contact



WBM10I 10A intermediate mechanism



- 1 Fixed terminal
- 3 Fixed terminal
- 2 Change over terminal
- 4 Change over terminal



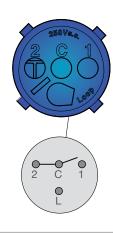
WBM16AX 16AX mechanism



C - Common terminal

- 1 N/O terminal
- 2 N/C terminal

L - loop



WBM20 20A mechanism



C - Common terminal

- 1 N/O terminal
- 2 N/C terminal
- L loop



WBM20XX

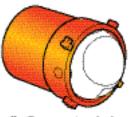
Printed mechanisms 1 way only



C - Common terminal 1 - N/O terminal L - loop



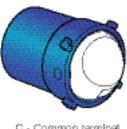
WBM20AX 20AX mechanism



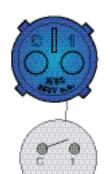
C - Common terminal 1 - N/O terminal



WBM32 32A mechanism

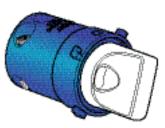


C - Common termineli 1 - N/O termineli

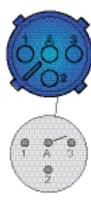


WBM10R3

Rotary mechanism

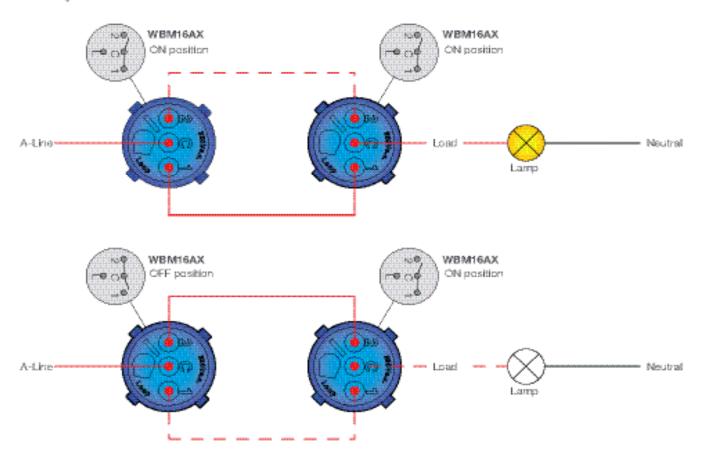


- A Common terminal 1 load 1
- 2 liosid 2
- 3 foad 3

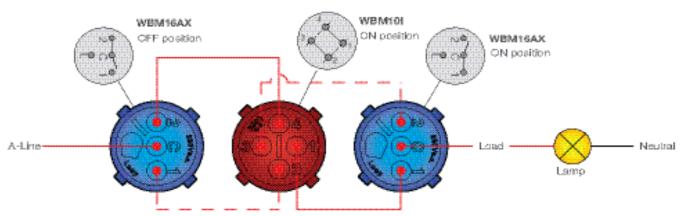


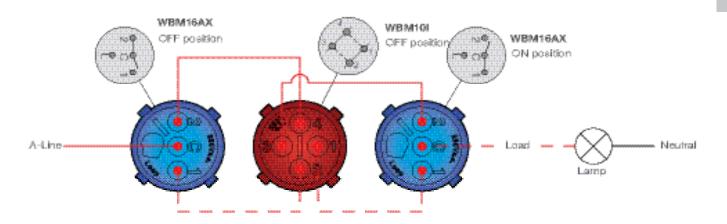


Two Way Meshanism

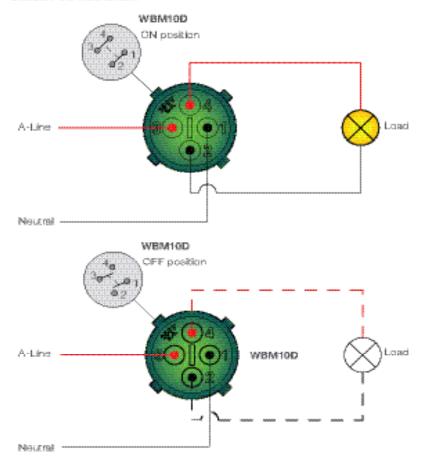


Intermediate Mechanism

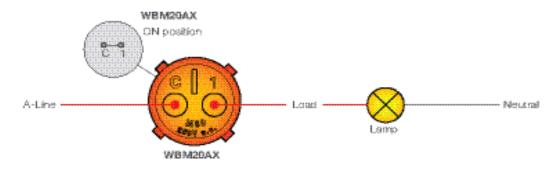




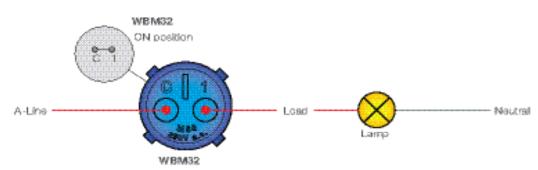
Double Pole Mechanism



20AX Mechanism

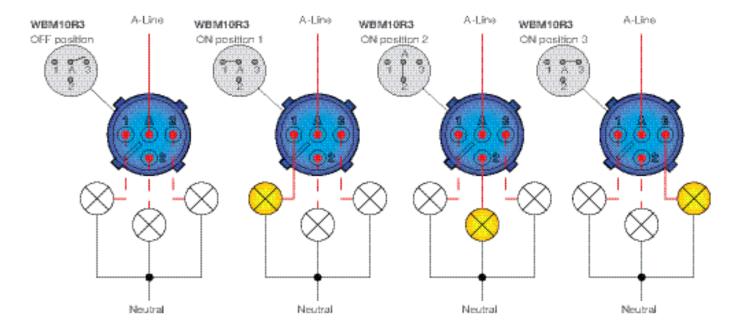


32A Mechanism

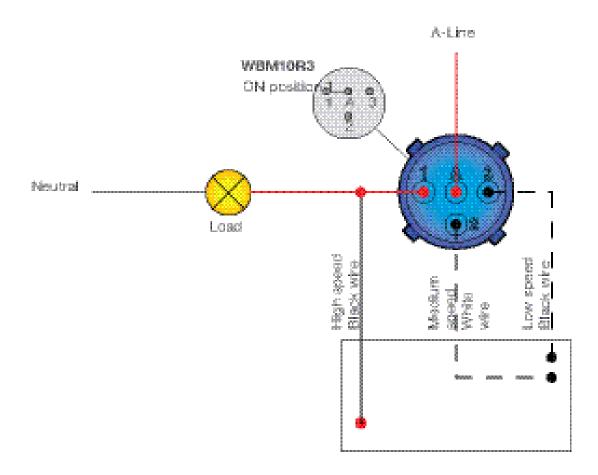




3 Position Rotary Mechanism



Fan Speed Control Connections for WBSF3 & WBVSF3



F to F, PAL to F, F to RCA mechanism



Strip 15mm off sheathing

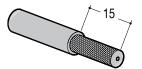
SPECIFICATIONS

REFERENCE

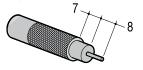
WBMTV75PF

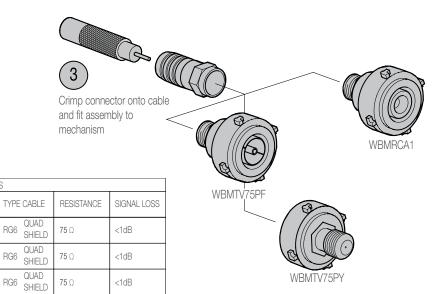
WBMTV75PY

WBMRCA1



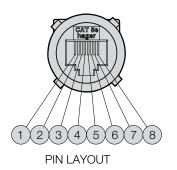


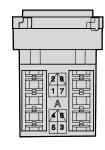


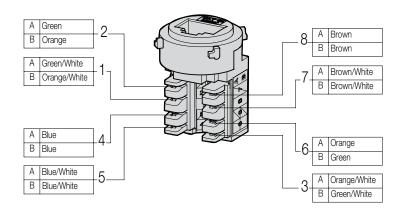


WBMCAT5

Cat 5 data jack

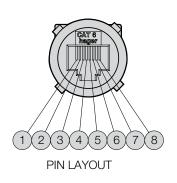


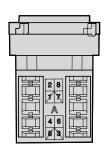


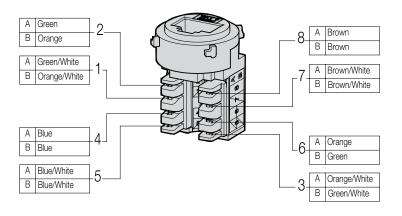


WBMCAT6

Cat 6 data jack

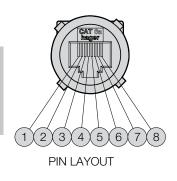


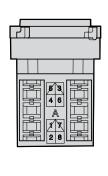


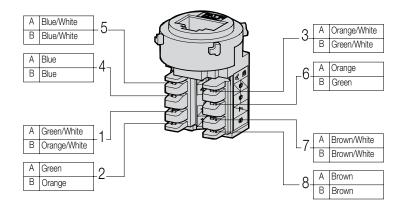


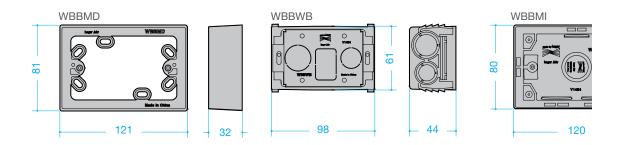
WBMCAT6A

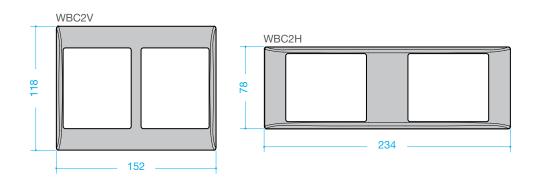
Cat 6A data jack

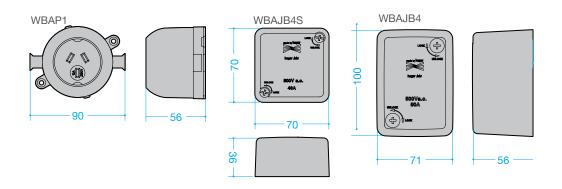


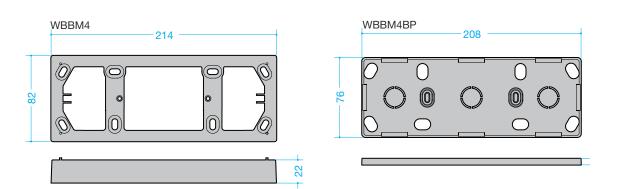


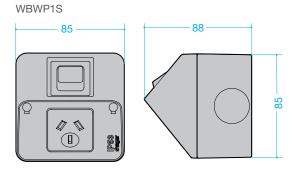


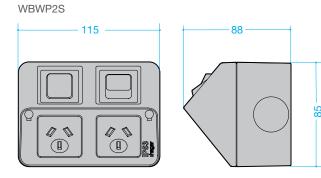


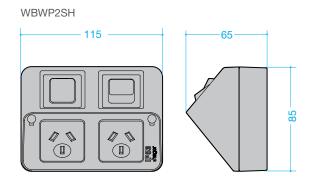


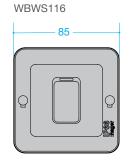


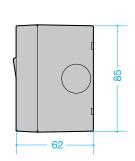


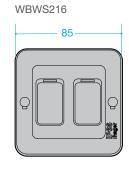


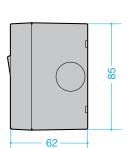












Choice of isolator switches

The switch-disconnectors are defined by:

- their ratings and voltage,
- their utilization category,
- their short circuit rating.

The choice of isolator is dependent upon many parameters:

- 01 the number of poles,
- 02 the type of electrical load it needs to isolate
- 03 its consumption under normal operation

The appliances, when hard wired, shall be provided with a lockable isolation device, installed adjacent to the unit including water heaters, motors/compressors, air conditioners, heat pump systems...

01 - Number of poles

Usually this is the subject of agreement between manufacturer and user. In the wiring rules, the minimum requirement for isolation devices is to isolate all active conductors from the circuit. However manufacturers generally recommend isolating the neutral as well, for safety purposes.

02 - Type of electrical load

Loads are categorised into various AC ratings (AC21, AC-22, AC-23 etc.) and the higher the AC rating the more inductive the load becomes. AS/NZS IEC 60947.3 defines utilization categories as well as their applications:

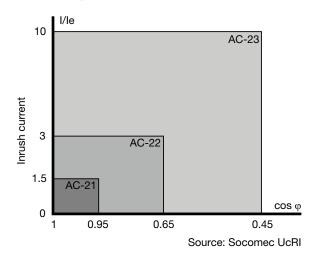
Utilization category

Frequent operation	Occasional operation	Typical applications
AC-20A*	AC-20B*	Connecting and breaking under no-load
AC-21A	AC-21B	Switching of resistive loads including moderate overloads (e.g. electric hot water heater)
AC-22A	AC-22B	Switching of mixed resistive and inductive loads, including moderate overloads (e.g. fluorescent lamp, slip-ring/shunt motors)
AC-23A	AC-23B	Switching of highly inductive loads or motor loads (e.g. compressors, series/squirrel-cage motor loads)

^{*} not utilised in Australia

Generally, category AC-23 includes occasional switching of individual motors and does not cover the switching of capacitors or of tungsten filament lamps.

An easy way to choose the utilization category is to check the inrush current and/or the cos ϕ of the load:



03 - Power demand

The selection of an isolating switch is reduced to the comparison of its performance data with the respective utilization category, the ratings of the load and the choice of a device which meets or exceeds the ratings of the load.

Motor/Compressor applications

The isolation of motor/compressor loads are covered under the utilization category AC-23.

Motor/compressor applications include:

- Heat pumps,
- Air-conditioning systems,
- Pumps,
- Ventilators,
- Elevators

The choice of the isolator depends on the maximum power input or the maximum load current of the appliance. As an example, the compliance plate of an air conditioner would provide the maximum power input in kW or the maximum load current in A.

AIR CONDITIONER SPLIT TYPE (OUTDOOR UNIT) MODEL AAP270G-A2

STANDARD AS/NZS 3823.	1		
PERFORMANCE (CLIMATE CLAS		230/240V	~ 50Hz
TOTAL	COOLING	2.0	kW
CAPACITY	HEATING	2.7	kW
TOTAL	COOLING	0.44	kW
INPUT	HEATING	0.62	kW
TOTAL	COOLING	2.4/2.3	A
CURRENT	HEATING	3.1/3.0	A
MAX. INPUT	1.65	kW	
MAX. CURRENT	9	A	
MAX. HIGH PRE	4.15	MPa	
MAX. LOW PRES	1.60	MPa	

The difficulty with all motor/compressor loads are the high inrush currents which can amount to 5-10 times the nominal current. Also, inductive loads tend to build electric arcs during shut off. Therefore, all Hager IP66 Isolator switch ratings are given at utilization category AC-23A without de-rating.

Resistive-type applications

The current demand of a heating appliance or an incandescent lamp is easily obtained from the nominal power quoted by the manufacturer (i.e. $1>\cos\phi>0.95$)

The currents are given by:

- 3-phase case: le = Pn \div ($\sqrt{3}$ x U)
- 1-phase case: le = Pn ÷ U

Where Ie is amps; U is volts, voltage between the terminals of the equipment; Pn is watts. If Pn is in kW, then multiply the equation by 1,000

Switches and

Reference	JG220IN	JG232IN	JG240IN	JG263IN	JG320IN	JG332IN	JG340IN	JG420IN	JG432IN	JG440IN	JG463IN
Number of poles	2P	2P	2P	2P	3P	3P	3P	4P	4P	4P	4P
Operational frequency	50/60Hz										
Rated operational voltage Ue	250V AC	250V AC	250V AC	250V AC	440V AC						
Rated insulation voltage Ui (AC)	440V										
Rated impulse withstand voltage Uimp	4000V										

Rated operational current and power ratings in AC

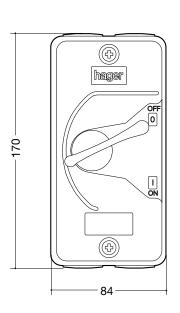
Rated operational cu	ırrent le	20A	32A	40A	63A	20A	32A	40A	20A	32A	40A	63A
	AC-21A	4.8kW	7.6kW	9.5kW	15kW	14.5kW	23.2kW	29kW	14.5kW	23.2kW	29kW	45.6kW
Rated operational power Pe	AC-22A	4.0kW	6.4kW	8.0kW	12.6kW	12.2kW	19.5kW	24.4kW	12.2kW	19.5kW	24.4kW	38.4kW
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	AC-23A	3.2kW	5.2kW	6.5kW	10.2kW	9.9kW	15.8kW	19.8kW	9.9kW	15.8kW	19.8kW	31.2kW

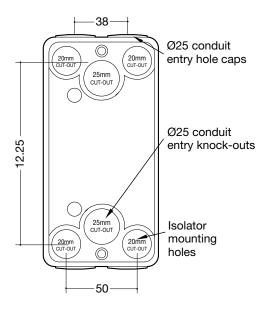
Short circuit characteristics

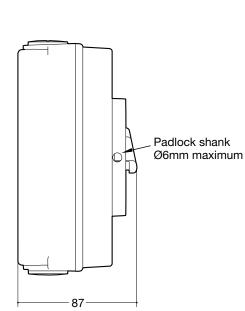
Rated short-time withstand current for 1 sec lcw	240A	384A	480A	756A	240A	384A	480A	240A	384A	480A	756A
Rated short-circuit capacity Icm	240A	384A	480A	756A	240A	384A	480A	240A	384A	480A	756A

Mechanical characteristics

Conductor & number Rigid - stranded	2.5mm2	6mm2	6mm2	10mm2	2.5mm2	6mm2	6mm2	2.5mm2	6mm2	6mm2	10mm2	
	1	1	1	1	1	1	1	1	1	1	1	
	Max. size	4mm2	10mm2	10mm2	16mm2	4mm2	10mm2	10mm2	4mm2	10mm2	10mm2	16mm2







Switches and

The IP rating for all low voltage enclosures up to 1000 V a.c. and 1500 V d.c. is defined in identical fashion by the standards EN 60529 - IEC 529. It comprises the letters IP followed by two character numerals and or additional/ supplementary letters.

The first character numeral indicates the degree of protection provided by the enclosure against access to hazardous parts by preventing or limiting the ingress of a part of the human body or an object held by a person and ingress of solid foreign objects.

The first character numeral: Protection against foreign objects

Description

0		Non-protected
1	7	Protected against solid objects ≥ than 50mm
2		Protected against solid objects ≥ than 12.5mm
3		Protected against solid objects ≥ than 2.5mm
4		Protected against solid objects ≥ than 1.0mm
5	7	Dust-protected
6	7	Dust-tight

The second character numeral indicates the degree of protection provided by the enclosure with respect to harmful effects on the equipment due to the ingress of water. An X signifies that the tests are not applicable to the product.

The second character numeral: Protection against ingress of water with harmful effects

IP	Description	
0		Non-protected
1	7	Protected against vertically falling water drops
2	7	Protected against vertically falling water drops when enclosure titled up to 15°
3	7	Protected against spraying water
4	Z	Protected against splashing water
5	+ 1/2 +	Protected against water jets
6	+ 1/2 +	Protected against powerful water jets
7	15 cm	Protected against the effect of temporary immersion in water
8		Protected against continuous immersion in water

Additional letter (in option)

Protection of people against access to hazardous parts

	Description
Α	Protected against access to hazardous parts with the back of the hand
В	Protected against access to hazardous parts with a finger
С	Protected against access to hazardous parts with a tool - ø 2.5mm
D	Protected against access to hazardous parts with a wire - ø 1mm

Additional letter (in option)

Specific information on the product

	Description
Н	High voltage apparatus
М	Motion during water test
S	Stationary during water test
W	Weather conditions