:hager

IP
Weatherproof solutions

Switch devices

Single switch

Double switch

Design
fundamentals

Hager's range of weatherproof switches and power outlets are engineered to withstand the tough environmental conditions that Australian weather can demand. Internally designed for ease of installation and flexibility of use, the weatherproof range provides a long awaited fresh style and elegant aesthetic.

Socket outlets

Single socket 10A

Double socket 10A

Single socket 15A

Shallow mount
Double socket 10A

vector enclosures

Enduring protection
in harsh environments

The outdoor vector range has been developed to maintain over a long period of time. The mechanical properties of the material used in their manufacture make it possible to install them in most locations. The enclosures have been designed to resist extreme weather, humidity, dust, chemical aggressions and ultraviolet radiation exposure.

Covered height adjustments protect the fixing screws and are adjustable in depth to correct the irregularities on a wall.

Adjustable DIN rails to fit products of different depth.

Compliance to REACH and ROHS environmental recommendations.

Rigorous testing includes: Glow wire test, temperature test at -25°C, IK impact test, dust proof, "Yellow card" ultraviolet radiation resistance, chemical resistance…

Dust proof and resistant to water jets, the vector enclosure range is IP65 rated.

UV radiation resistance gives dimensional stability up to 100°C and frost resistance down to -25°C.

Sensory
detection

Hager innovation delivers precision IP55 Motion Detectors technically engineered for optimum performance and total control.

Available in 4 models (Basic 140° or 360°, Enhanced 220° or 220/360°) and 2 colours (white, & charcoal grey), they provide automatic control for residential and commercial applications.

Hager also provide devices that combine motion detection with LED lights. LED floodlights with PIRs are a perfect solution for carparks, small warehouses and similar applications. While LED lamps with PIRs deliver a decorative aesthetic solution for residential perimeters.

IP66
isolation

Australia has some of the harshest environmental elements in the world.

To counteract demanding operating conditions, Hager has a range of robust isolators with an IP66 protection rating in 2, 3 & 4 poles with various amperages.

Suitable for applications such as air conditioning, cool rooms, factories, signage and motors, these tough isolators offer switching in rugged Australian conditions.

Description
The 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 a.c
Single pole 2 way with loop
Socket - 10/15A, 250V a.c
Single pole

Mechanical specification
- IP66 for switches
- IP53 for sockets
- External material is UV stabilised polycarbonate

WBWS116

1 Gang switches

Description	Box qty	Cat ref.
16A IP66 1 Gang Switch	1	**WBWS116**

WBWS216

2 Gang switches

Description	Box qty	Cat ref.
16A IP66 2 Gang Switch	1	**WBWS216**

WBWP1S

10A Single sockets

Description	Box qty	Cat ref.
10A, IP53 Single socket	1	**WBWP1S**

WBWP115S

15A Single sockets

Description	Box qty	Cat ref.
15A, IP53 Single socket	1	**WBWP115S**

WBWP2SH

10A Double sockets

Description	Box qty	Cat ref.
10A, IP53 Twin socket	1	**WBWP2S**
10A, IP53 Twin socket Shallow Mount	1	**WBWP2SH**

Surface mounted enclosures
1 to 4 rows, 6 to 48 poles.
Adjustable DIN rail for shoulder measurement 47mm and 63mm.
Reversible transparent or opaque hinged door.
Two lateral knockouts for cable entry

Specification
Supplied with:
 - links
 - forked busbar
 - circuit ID labels
Pole fillers - JP010.
Premarked knock outs for bushes or cable glands M20, M25, M32, M40 and M50;
Colour: RAL7035.
Sealable cover.

VE212H

Enclosures with Transparent Door

Description	Width	Cat ref.
1 row	4 + 2	**VE106H**
	8 + 2	**VE110H**
	12	**VE112H**
	18	**VE118H**
2 row	24	**VE212H**
	36	**VE218H**
3 row	36	**VE312H**
4 row	48	**VE412H**

VE212HP

Enclosures with Opaque Door

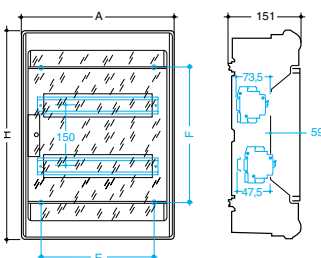| Description	Width	Cat ref.
2 row	24	**VE212HP**
	36	**VE218HP**
3 row	36	**VE312HP**

VZ011

Accessories

Description	Cat ref.
Wall fixing bracket kit	**VZ011**
Key lock - supplied with 2 keys	**VZ311**
Pole filler set - Grey - 5pk	**JP010**

Technical information

References		Row	Enclosure sizes	
			A	B
VE106H	6	1	165	190
VE110H	10	1	237	210
VE112H	12	1	310	302
VE118H	18	1	418	302
VE212H/P	24	2	310	427
VE218H/P	36	2	418	452
VE312H/P	36	3	310	552
VE318H	54	3	418	602
VE412H	48	4	310	677

Motion detectors

These devices are made for automatic control of lighting in both the residential and private/ public commercial sectors.
- Large range from 140° basic to 220/360°
- IP55 reinforced waterproofing
- Detection head with overmoulded fresnel lenses and PIR detectors

Features:
- 140/220/360° frontal detection zone
- Twin 220°/360° to detect in a frontal and downwards zone.
- Time, lux and sensitivity are achieved locally, via potentiometers.
- The enhanced range and LED lights can be set with an IR remote control which provides speed and convenience when setting final adjustments.
- Detectors can be mounted in corners or to ceilings utilising the relevant mounting accessory.

Power supply:
Basic detector
- 230V AC + 10% / -15% (50/60Hz)
- Output: 10A AC1 relay and cut phase
Enhanced detector
- 230V AC + 10%/ -15%
- Output: 16A AC1 relay potential free

Basic range

Description	Cat ref.
Detector 140° White	**EE820**
Detector 360° White	**EE840**

EE820

Enhanced range

Description	Cat ref.
Detector 220° White	**EE860**
Detector 220° Charcoal Grey	**EE861**
Detector Twin 220/360° White	**EE870**
Detector Twin 220/360° Charcoal Grey	**EE871**

EE860

Accessories

Description	Characteristics	Cat ref.
IR remote control compatible with EE86x /EE87x / EE6xx	Sets time, sensitivity, lux, detection angle used (for Twin model), lock/unlock, test and override ON/OFF	**EE806**
Ceiling mount accessory	Suits 140° White	**EE827**
Corner mount accessory	Suits 140° White	**EE825**
	Suits 220°/360°/Twin White	**EE855**
	Suits 220°/360°/Twin Charcoal Grey	**EE856**

EE806

Motion detector
with LED lamp or floodlight

Description
LED lights with an infrared sensor to easily replace any existing lighting fixture, to ensure automatic operation of lighting from the approach of a person. Integrated detector sensitive to infrared radiation for operation during the day and night or only at night.

Features
- Architectural design
- LED energy saving technology
- 140° or 220/360° detection up to 12m
- IP55
- Settings can be adjusted with the EE806 IR remote control

Motion detectors with LED lights

Description	Characteristics	Cat ref.
Floodlight with Twin 220°/360° detector	60W (eq. to 300W halogen)	**EE600**
Decorative lamp with 140° detector	15W	**EE610**

EE600

EE610

Description
The range of IP66 isolators are designed to be used in outdoor applications with IP66 degree of protection. They are rated at AC23A and offer options of 2, 3 and 4 poles with switched neutral. They are compact and easy to install with a 2 screw quick release top cover

Electrical Specification
- Tested and complies with IEC 60947-3
- Rated voltage: 250V~AC
                   440V~AC
- Rating AC23A is for switching of motor loads or other highly inductive loads

Mechanical Specification
- IP66 Protection
- External material is UV stabilised polycarbonate
- 25mm threaded conduit entry

JG240IN

2 pole

Description	Box qty	Cat ref.
20A 2 pole IP66 Isolator	1	**JG220IN**
32A 2 pole IP66 Isolator	1	**JG232IN**
40A 2 pole IP66 Isolator	1	**JG240IN**
63A 2 pole IP66 Isolator	1	**JG263IN**

JG340IN

3 pole

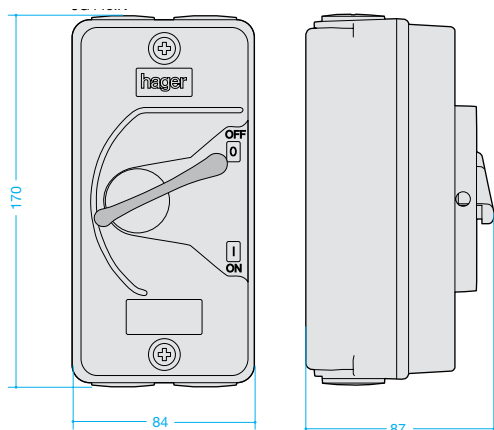| Description	Box qty	Cat ref.
20A 3 pole IP66 Isolator	1	**JG320IN**
32A 3 pole IP66 Isolator	1	**JG332IN**
40A 3 pole IP66 Isolator	1	**JG340IN**

JG440IN

4 pole

Description	Box qty	Cat ref.
20A 4 pole IP66 Isolator	1	**JG420IN**
32A 4 pole IP66 Isolator	1	**JG432IN**
40A 4 pole IP66 Isolator	1	**JG440IN**
63A 4 pole IP66 Isolator	1	**JG463IN**

Technical information

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