

**CLIPSAL**<sup>®</sup>

by Schneider Electric

# LIFESAVERS IN ELECTRICAL PROTECTION



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## WE'RE SERIOUS ABOUT SAFETY

First established in 1920, Clipsal is Australia's number one manufacturer of electrical accessories. As an industry leader we're dedicated to supplying you with the most innovative and sustainable electrical solutions available on the market.

Clipsal also has the backing of Schneider Electric, one of the largest global specialists in energy management, which enables us to provide a 'total electrical solution' for any project or application.

We're also very passionate about safety in the home and workplace. To support this, we offer a growing range of safety products

and solutions that will provide peace of mind whenever you operate anything electrical. This includes our new Home Energy and Safety Assessment, assisting Australian homeowners to achieve much safer and more energy efficient homes.

When you buy Clipsal, you can be confident you're dealing with Australia's most experienced electrical accessory manufacturer. Clipsal Australia strives in every aspect of the business to provide you with high quality, intelligent, safe, friendly and economical electrical solutions – now and in the future.

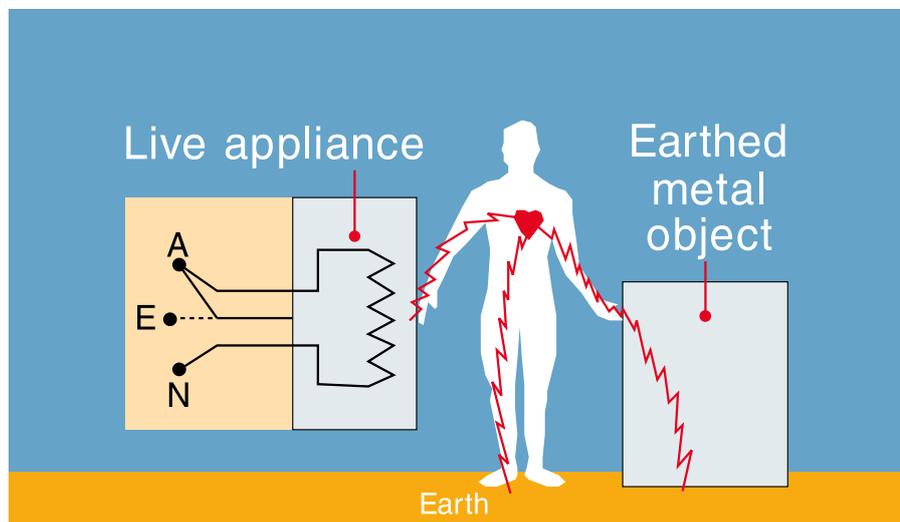
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# WHAT A LIFESAVER! SAFETY IN NUMBERS

The Clipsal Lifesaver® range continues to grow. Since the late 1970s Clipsal has led the way in the development of Residual Current Device (RCD) technology (commonly known as the Safety Switch), with a product range that is constantly increasing and being improved to meet the needs of consumers.

So whether you require fixed or portable protection in the home, workshop or workplace, Clipsal has the Lifesaver for the job.



## Protecting You

When a power tool or appliance is in use, your Clipsal Lifesaver continually monitors and compares the current flowing through the Active and Neutral circuits of the electrical installation. In the event of a current flow to Earth, an imbalance will occur. If this imbalance is sufficient, the Clipsal Lifesaver will cut the power in a fraction of a second.

## Protecting Your Equipment

As well as protection from electrocution, an RCD will also cut off power to expensive electrical equipment in the event of an electrical fault to Earth. This protects appliances from costly damage and the installation from fire.

For total protection of your equipment, RCDs must be used in conjunction with Miniature Circuit Breakers (MCBs), together with surge protection.

## Setting a High Standard

Clipsal is an industry leader when it comes to electrical products. Over the years, the company has continually set high standards for electrical products in Australia and around the world. Such standards have since become the industry benchmark.

So it is no surprise that the Safety Switch has been a major contributing factor in the continued reduction of electric shocks and electrical safety hazards.

## Standards

Clipsal's Lifesaver range provides all homes and workplaces with the equipment to comply with the RCD requirements of AS/NZS 3000 Wiring Rules. In addition to this, it is worth noting in December 2010 the NSW Government announced that by 2014 all businesses will be required to protect workers with Safety Switches where reasonably practicable.

This new electrical standard will bring NSW in line with four other Australian jurisdictions (SA, WA, NT and QLD), all of which already have Safety Switch workplace provisions in place.

Please refer to the back page for information on RCD Standards on products shown within this brochure.



## TOTAL PROTECTION

Although Australia has one of the safest electrical systems in the world, accidents still occur. A faulty or poorly maintained appliance, a person who innocently pushes something into a power socket or cuts through an electrical wire, a frayed cord, wet hands or carelessness with power tools are all situations that can lead to electrical hazards. The high level of protection offered by residual current devices is well documented. RCDs are now mandatory in every new home and, in time, this legislation will extend to most workplaces.



### Residual Current Device (RCDs)

One of the best forms of protection available is a Switchboard Mounted Safety Switch, that can protect all power and lighting circuits if required. Designed for tough Australian conditions, Clipsal 4 Series Switchboard Mounted Safety Switches are available in a wide range of current ratings and sensitivities, for protection in any home, workshop or work site. Their design ensures superior performance and the advantage of all your electrical controls being in one place; right next to your meters and circuit breakers or fuses.

TWO POLE	
4RC225/30	240V 25A - 30mA - 2 Pole, 2 Module Wide
4RC240/30	240V 40A - 30mA - 2 Pole, 2 Module Wide
4RC263/30	240V 63A - 30mA - 2 Pole, 2 Module Wide
4RC280/30	240V 80A - 30mA - 2 Pole, 2 Module Wide

FOUR POLE	
4RC425/30	415V 25A - 30mA - 4 Pole, 4 Module Wide
4RC440/30	415V 40A - 30mA - 4 Pole, 4 Module Wide
4RC463/30	415V 63A - 30mA - 4 Pole, 4 Module Wide
4RC480/30	415V 80A - 30mA - 4 Pole, 4 Module Wide
4RC4100/30	415V 100A - 30mA - 4 Pole, 4 Module Wide
4RC Series complies with AS/NZS 3190 Type II	



### Residual Current Breaker with Overload (RCBO)

Miniature Circuit Breakers (MCBs) are automatically operated electrical switches designed to protect an electrical circuit from damage caused by overload or short circuit. Superior to fuses, they can be easily reset after electrical circuitry has reached a safe operating level.

RCBOs are devices which combine an RCD with an MCB and therefore provide the best electrical protection that money can buy!

If you require high performance circuit protection, but you're limited for space, Clipsal's 30mA RCBO is the perfect solution. Clipsal's DIN mounted 30mA combination RCD/MCBs are available with either one or two module devices, which helps save valuable switchboard space. Clipsal's slim or one module wide RCBO's are just 18mm wide and available in current ratings ranging from 10A to 40A. These combination devices have a short circuit interrupting capacity of either 6kA or 10kA, rated at 240V, 30mA, with a thermal/overload protection c-curve.

There are also 10mA versions available for areas that require RCDs to trip at lower current leakage levels and in a faster time (e.g. hospitals, nursing homes, kindergartens etc). When installing 10mA RCDs, care must be taken to separate circuits, especially those with electronic loads, as the increased sensitivity also means an increased chance of nuisance tripping.



4RCBE210/30S  
4RCBE220/10  
TOP OR BOTTOM  
LINE/LOAD  
COMPATIBLE

4RCBE110/30  
4RCBM210/30

### Combination RCD/MCBs (4RCBE & 4RCBM Series)

ELECTRONIC MODELS	
Not suitable for 4CXXM Series metal consumer switchboards	
4RCBE210/30S	240V 2 Pole 1M, 10A - 30mA - 6kA - Slim RCBO
4RCBE216/30S	240V 2 Pole 1M, 16A - 30mA - 6kA - Slim RCBO
4RCBE220/30S	240V 2 Pole 1M, 20A - 30mA - 6kA - Slim RCBO
4RCBE225/30S	240V 2 Pole 1M, 25A - 30mA - 6kA - Slim RCBO
Complies with AS/NZS 3190 Type II and AS/NZS 3111	
4RCBE210/10	240V 10A - 10mA - 1 phase+N - 10kA - 2 module wide
4RCBE216/10	240V 16A - 10mA - 1 phase+N - 10kA - 2 module wide
4RCBE220/10	240V 20A - 10mA - 1 phase+N - 10kA - 2 module wide
4RCBE225/10	240V 25A - 10mA - 1 phase+N - 6kA - 2 module wide
4RCBE232/10	240V 32A - 10mA - 1 phase+N - 6kA - 2 module wide
4RCBE240/10	240V 40A - 10mA - 1 phase+N - 6kA - 2 module wide
Complies with AS/NZS 3190 Type I and AS/NZS 3111	

ELECTRONIC MODELS	
Suitable for 4CXXM Series metal consumer switchboards and some 4C and 4FC plastic consumer switchboards	
4RCBE110/30	240V 10A - 30mA - 1 Pole - 10kA - 1 module wide
4RCBE116/30	240V 16A - 30mA - 1 Pole - 10kA - 1 module wide
4RCBE120/30	240V 20A - 30mA - 1 Pole - 10kA - 1 module wide
4RCBE125/30	240V 25A - 30mA - 1 Pole - 10kA - 1 module wide
4RCBE132/30	240V 32A - 30mA - 1 Pole - 10kA - 1 module wide
4RCBE140/30	240V 40A - 30mA - 1 Pole - 10kA - 1 module wide
Complies with AS/NZS3190 Type II and AS/NZS3111	
4RCBE110/10	240V 10A - 10mA - 1 Pole - 10kA - 1 module wide
4RCBE116/10	240V 16A - 10mA - 1 Pole - 10kA - 1 module wide
4RCBE120/10	240V 20A - 10mA - 1 Pole - 10kA - 1 module wide
Complies with AS/NZS 3190 Type I and AS/NZS 3111	

ELECTRO-MECHANICAL MODELS	
4RCBM210/30	240V 10A - 30mA - 1 Pole+N - 10kA - 2 module wide
4RCBM216/30	240V 16A - 30mA - 1 Pole+N - 10kA - 2 module wide
4RCBM220/30	240V 20A - 30mA - 1 Pole+N - 10kA - 2 module wide
4RCBM225/30	240V 25A - 30mA - 1 Pole+N - 6kA - 2 module wide
4RCBM232/30	240V 32A - 30mA - 1 Pole+N - 6kA - 2 module wide
4RCBM240/30	240V 40A - 30mA - 1 Pole+N - 6kA - 2 module wide
Complies with AS/NZS 3190 Type II and AS/NZS 3111	



Without doubt, the best form of fixed protection you can buy is a Switchboard Mounted Safety Switch. There are situations and locations where specialised or portable electrical protection is more appropriate. Refer to the Portable Protection on pages 7 and 8 for further information.

# PERFECT COMBINATION OF SAFETY AND STYLE

Clipsal's Lifesaver switches and sockets offer the best of both worlds; the protection and security of the Lifesaver range, together with the fashion and flexibility of the 2000 and C2000 Series products. The range also includes a practical 'reset' button so should a fault develop, this convenient button allows the user to reset the circuit at the point of the fault. Suitable for commercial and domestic applications, ideal for sockets that provide power to expensive electrical equipment.

## Switches and Sockets

Switches and sockets within the Lifesaver range are capable of protecting any device hard-wired directly to the load terminals, any socket connected 'downstream' of the load terminals and any application plugged into a 'downstream' socket outlet.

They will cut the power to your expensive electrical equipment in the event of an Earth fault. This protects appliances against damage and your home against fire. The 2025RC and C2025RC can also be used to test appliances for faults. (10 milli amp models 2025RC10 and C2025RC10 are available for hospitals and similar locations).

## IP56 Rated

Lifesaver flushplates are also available in an IP56 version (596/56RCD-30), meaning they're protected against dust and water from interfering with satisfactory operation. This makes them an ideal solution for bathrooms, laundries and wet areas.

## Hospitality/Shaver Outlets

Clipsal Lifesaver also caters for applications where users require both 240V or 115V supplies (e.g. hotels). International travellers will feel comforted by the fact that they will also have RCD protection when plugging into these unique outlets.

## Double Pole

Clipsal's Lifesaver range comes in a double pole version, which makes them suitable for offering protection in applications where Active and Neutral have been reversed. So there are no problems if you want added safety from a switch or power outlet installed in a hospital, camper van or marine craft.

## The Fashionable Lifesaver

Lifesaver switches and sockets are totally compatible with other products and accessories in the Clipsal 2000 Series and Classic 2000 Series. Three colours are available as standard; White Electric, Cream and Black. A range of other colours and finishes are also available. Please refer to the Trade Product Guide for any applicable surcharges.



596/56RCD-30



2727RC30



2025RC



2025RCD30

## Flushplate, RCD Protected – IP56 Rated

FLUSH MOUNTED	
596/56RCD-30	250V - 20A - 30mA, IP56, Single Gang, Double Pole (PDL 500 Series)

## RCD Protected Hospitality/ Shaver Outlets

POWER OUTLETS, RCD PROTECTED 2000 SERIES FLUSH MOUNTED – STYLE 1	
2727RC30	Power Outlet single, 250V, 20A with 30mA RCD and shaver outlet, horizontal, supplied complete with wall-box (3 module size)
2727VRC30	Power Outlet single, 250V, 20A with 30mA RCD and shaver outlet, vertical, supplied complete with wall-box (3 module size).



2031RCD10



2031RCD30

## Flushplate, RCD Protected – 2000 Series

FLUSH MOUNTED – STYLE 1	
2031RC10	250V - 20A, Horizontal - 10mA, Single Gang
2031VRC10	250V - 20A, Vertical - 10mA, Single Gang
2031RC30	250V - 20A, Horizontal - 30mA, Single Gang
2031VRC30	250V - 20A, Vertical - 30mA, Single Gang,

FLUSH MOUNTED – STYLE 2 – DOUBLE POLE	
2031RCD10	250V - 20A, Horizontal - 10mA, Single Gang, Double Pole
2031VRC10	250V - 20A, Vertical - 10mA, Single Gang, Double Pole
2031RCD30	250V - 20A, Horizontal - 30mA, Single Gang, Double Pole
2031VRC30	250V - 20A, Vertical - 30mA, Single Gang, Double Pole

## Power Outlets, RCD Protected – 2000 Series

RCD PROTECTED POWER OUTLETS – STYLE 1	
2025RC	250V 10A with RCD - 30mA, Power Outlet Double
2025RC10	250V 10A with RCD - 10mA, Power Outlet Double

RCD PROTECTED POWER OUTLETS – STYLE 2 – DOUBLE POLE	
2025RCD30	250V 10A with RCD - 30mA, Power Outlet Double, Double Pole
2025RCD10	250V 10A with RCD - 10mA, Power Outlet Double, Double Pole



C2025RC



C2025RCD30

## Socket Outlets, RCD Protected - C2000 Series

RCD PROTECTED POWER OUTLETS – STYLE 1	
C2025RC	250V 10A with RCD - 30mA, Power Outlet Double
C2025RC10	250V 10A with RCD - 10mA, Power Outlet Double

RCD PROTECTED POWER OUTLETS – STYLE 2 – DOUBLE POLE	
C2025RCD30	250V 10A with RCD - 30mA, Power Outlet Double, Double Pole
C2025RCD10	250V 10A with RCD - 10mA, Power Outlet Double, Double Pole

# PROTECTION WHEREVER YOU NEED!

For a tradesperson or the home handy person who works away from a fixed safety switch, portable protection is a must. The cords of power tools and electrical garden tools are easily damaged and using any appliance in damp conditions can be dangerous. Our Lifesaver range includes portable plugs, power outlets, plug adaptors and heavy-duty cord sets; each one offering safety when you work with electricity.



## Safety Switch Plugs (952 Series)

At the heart of many of our Lifesaver portable products are the 952 Series Safety Switch Plug. The 952 is a compact, easy-to-use plug that's suitable for virtually any domestic power tool or appliance. Simply connect the 952 as you would any plug top, set the Safety Switch, and there you have it; complete protection that's a permanent part of your power tool or appliance.

Lifesaver Safety Switch Plugs are available in 10A and 15A models, both with a 30mA trip current. Other features include:

- Compact - The smallest portable safety switch available.
- Simple to use - Just plug it in, set the safety switch and you're protected.
- Simple to wire - The 952 is as easy to wire as a standard plug.
- Connects to any power tool or appliance - For ease and convenience, the 952 wires directly onto the power tool or appliance to be protected.
- Tough and reliable - Moulded in impact resistant materials for reliable operation in the toughest conditions.

CAT NUMBER	952*	952/15**
<b>Amperage</b>	10A	15A
<b>Voltage</b>	250V a.c. 50Hz	250V a.c. 50Hz
<b>Tripping Current</b>	30mA	30mA
<b>Total Load</b>	2400W	3600W
Flex suitability 0.75 to 1.5mm <sup>2</sup> ordinary duty		
Both comply with AS/NZS 3100 and AS/NZS 3112 952 complies with AS/NZS 3190, Class L 952/15 complies with AS/NZS 3190, Class H		
*952 available in impact resistant White (WH) and high visibility Orange (OR)		
**952/15 available in high visibility Orange (OR) only		



## Safety Switch Plug Adaptors (951 Series)

The 951 Series 10A Safety Switch Plug Adaptor utilises the same technology as the 952 to offer the ultimate in portable protection. Keep one in your tool box and every time you use a power tool or appliance, simply plug it into your Safety Switch Plug Adaptor and you're protected; instantly! It's that easy, with no fiddly wiring or installation to worry about. If an Earth fault occurs, the Clipsal Lifesaver Safety Switch Plug Adaptor will cut the power in a fraction of a second.

<b>CAT NUMBER</b>	<b>951</b>
<b>Max. Supply Voltage</b>	250V a.c. 50Hz
<b>Current Rating</b>	10A
<b>Tripping Current</b>	30mA
<b>Maximum Load</b>	2400W
Complies with AS/NZS 3112 and AS/NZS 3190 Class H Available in impact resistant White (WH) and high visibility Orange (OR)	



955

## Heavy-Duty Cord Sets (955 + 956 Series)

Clipsal's Lifesaver 955 and 956 Series heavy-duty cord sets protect you against the very real risk of electric shock when working with electrical products in the garden, workshop or out on a building site.

Available in two sizes, the 955, 955/10 and 956 are each fitted with the compact Clipsal 952 Series safety switch plug.

The 955/10 and 956 cord sets offer heavy-duty cable, making them ideal for applications in the home workshop that require using extra heavy-duty equipment, such as drills, sanders and electric gardening equipment. The 956 also offers IP56 protection - ideal for using outdoors.

CAT NUMBER	955	955/10	956
<b>Amperage</b>	10A	10A	10A
<b>Voltage</b>	250V a.c.	250V a.c.	250V a.c.
<b>Cord Length</b>	2 metres	10 metres	2 metres
<b>Cable Size</b>	1.0 mm <sup>2</sup> HD	1.5 mm <sup>2</sup> HD	1.5 mm <sup>2</sup> HD
<b>Tripping Current</b>	30mA	30mA	30mA
<b>IP Rating</b>	-	-	IP56
Complies with AS/NZS 3100, AS/NZS 3112 and AS/NZS 3190 Class H			



## LIFESAVER PROTECTION IN A PORTABLE POWER OUTLET

Compact and lightweight, Clipsal's Lifesaver 485 Series Portable Power Outlets are great protection when working outdoors or when using an extension cord.

### Switched Power Outlets (485 Series)

The 485 Series offers two or four shuttered switched power outlets in double pole arrangement with either 10 or 15 Amp overload protection, all with 30mA sensitivity (10mA model is available for use in hospitals).

The combined residual current device/miniature circuit breaker units in the 485 Series are mounted on the side of the housing and protected by a clear cover flap, which reduces the risk of damage through knocks or dirt and dust intrusion.

The body housing is made of robust construction and features a stable base and a handy wrap-around for the unit's 1.8 metre flexible cord. The outlets are cleverly positioned well above ground level, out of the way of dust, dirt and water (IP33 rated). **NOTE:** Refer to Industrial section on pages 9 and 10 for more portable RCD alternatives.

### Compliant Standards (485 Series)

**AS/NZS 3100:** Approval and Test Specification – General Requirements for Electrical Equipment

**AS/NZS 3190:** Approval and Test Specification – Residual Current Devices: Current Operated Earth Leakage Devices (Class H, Class PSOA)

**AS/NZS 3105:** Approval and Test Specification – Electrical Portable Outlet Device (EPOD)

**AS/NZS 3112:** Approval and Test Specification – Plugs and Socket Outlet Approval

**AS/NZS 3012:** Electrical Installations – Construction and Demolition Sites (Class H Portable Socket Outlet Assembly, Class PSOA)

**AS/NZS 3003:** Electrical Installations – Patient Areas of Hospitals, Medical and Dental Practices, and Dialysing Locations (E12, E13, E13R, E13/15 only)



CAT NUMBER	NUMBER OF OUTLETS				CURRENT RATING		RCD TRIP CURRENT		RCD TYPE	CLASS H COMPLIANT	CORD LENGTH	POWER AVAILABLE NEON
	1	2	3	4	10A	15A	10mA	30mA				
Clipsal 485 Series – Trade Professional / Home Handyman / General Use												
485P2CB30,E0		✓			✓			✓	Type A	Yes	1.8m	No
485P4CB30,E0			✓	✓				✓	Type A	Yes	1.8m	No
485P2CB15/30,E0		✓			✓			✓	Type A	Yes	1.8m	No
485P4CB15/30,E0			✓	✓				✓	Type A	Yes	1.8m	No
485P4CB15T,E0 <sup>1</sup>			✓		✓			✓	Type A	No	10m	No
485P4CB10,E0			✓	✓			✓		Type A	Yes	1.8m	No
485P3CB30,E0 <sup>2</sup>		✓			✓			✓	Type A	Yes	1.8m	No
485P4CB30NZ,E0 <sup>3</sup>			✓	✓				✓	Type FS	Yes	1.8m	No
ESP Medilec Series – Hospital / Medical Applications												
E12,E0		✓			✓		✓		Type A	No	3m	Yes
E13,E0			✓	✓			✓		Type A	No	3m	Yes
E13R,E0			✓	✓			✓		Type FS	No	3m	Yes
E13/15,E0			✓		✓		✓		Type A	No	3m	Yes
Accessories												
485FLAP,TR	Spare Flap (RCD Cover) to suit 485 Series											
<b>NOTES:</b>												
1. This model has been designed specifically for the home handyman or camping enthusiast, and is fitted with a 10m lead (all other models have 1.8m lead only). As such, this unit is NOT Class H Compliant, and is therefore not suitable for use on construction sites.												
2. This model is rated at 10A, but for convenience is fitted with 2 x 10A Socket Outlets, and 1 x 15A Socket Outlet.												
3. Unit specifically designed for use in New Zealand, complies with Type FS RCD Requirements.												



## WANT THE TOUGHEST IN RCD PROTECTION?

Industrial switchgear has to be tough, safe, take hard knocks and give reliable performance under adverse conditions. For strength, reliability and durability, both indoor and outdoor, Clipsal's 56 Series satisfies these challenges with the use of durable engineering plastics. It has also been tested for protection against ingress of water and dust to International Protection Rating IP66, and in many instances exceeds this level of protection.

### 56 Series

The Clipsal 56 Series remains undefeated as the toughest most trusted industrial switchgear on the market. Clipsal Australia has been manufacturing industrial electrical products since 1981, and is a company you can rely on for quality, knowledge and service.

All 56 Series Industrial Switchgear is manufactured from premium quality materials using the highest grade stainless steel for internal mechanisms. They are then tested to Australian and International standards – so no matter what the conditions, 56 Series won't let you down.

In addition, the plastics used to manufacture the 56 Series range are superior quality industrial grade resins with outstanding high impact strength and UV protection.

### RCD Protected Outlets

To help avoid electrical hazards in industrial environments, Clipsal has a range of combination switched sockets with inbuilt RCD protection.

Clipsal combination switched sockets with RCD protection enable quick disconnection of power, in the case of an emergency, and provide motor rated isolation. A neon indicator is standard on all models, to indicate that the RCD is protecting the outlet. If the neon is not illuminated, the RCD has tripped and no power is available from the socket.

The internal phase connections between switches and sockets are factory wired. The 56RC provides standalone or multiple protection of socket outlets in a modular IP66 Series enclosure.

There are two colour options available: Resistant Orange (RO) and Grey (GY). Simply add the correct colour code to the respective catalogue number – e.g. 56C410RC becomes 56C410RC, RO. Resistant White (RW) available to special order.

### Portable Combined Switched Sockets with RCD

Ruggedly constructed, these portable units feature an easy-to-carry handle, a hanging facility for builders' poles and three metres of heavy-duty flexible cord.





56C310RC

56RC



56SC310RC

56SC410RC



56C310EL2P

56S04ELP15

**RCD Protected Outlets (IP66)**

<b>56C310RC</b>	250V - 10A - 3 Flat Pins, Surface Mount - 30mA, RCD Protection
<b>56C315RC</b>	250V - 15A - 3 Flat Pins, Surface Mount - 30mA, RCD Protection
<b>56C310/4EL</b>	250V - 10A - 3 Flat Pins, Surface Mount, Power Range - 30mA, RCD Protection
<b>56C315/4EL</b>	250V - 15A - 3 Flat Pins, Surface Mount, Power Range - 30mA, RCD Protection
<b>56C410RC</b>	500V - 10A - 4 Round Pins, Surface Mount - 30mA, RCD Protection
<b>56C420RC</b>	500V - 20A - 4 Round Pins, Surface Mount - 30mA, RCD Protection
<b>56C432RC</b>	500V - 32A - 4 Round Pins, Surface Mount - 30mA, RCD Protection
<b>56C440RC</b>	500V - 40A - 4 Round Pins, Surface Mount - 30mA, RCD Protection
<b>56C510RC</b>	500V - 10A - 5 Round Pins, Surface Mount - 30mA, RCD Protection
<b>56C520RC</b>	500V - 20A - 5 Round Pins, Surface Mount - 30mA, RCD Protection
<b>56C532RC</b>	500V - 32A - 5 Round Pins, Surface Mount - 30mA, RCD Protection
<b>56C540RC</b>	500V - 40A - 5 Round Pins, Surface Mount - 30mA, RCD Protection

**Switched RCD Protected Outlets (IP66)**

<b>56SC310RC</b>	250V - 10A - 3 Flat Pins, Surface Mount - 30mA, RCD with 56SW Switch
<b>56SC315RC</b>	250V - 15A - 3 Flat Pins, Surface Mount - 30mA, RCD with 56SW Switch
<b>56SC410RC</b>	500V - 10A - 4 Round Pins, Surface Mount - 30mA, RCD with Switch
<b>56SC420RC</b>	500V - 20A - 4 Round Pins, Surface Mount - 30mA, RCD with Switch
<b>56SC432RC</b>	500V - 32A - 4 Round Pins, Surface Mount - 30mA, RCD with Switch
<b>56SC440RC</b>	500V - 40A - 4 Round Pins, Surface Mount - 30mA, RCD with Switch
<b>56SC510RC</b>	500V - 10A - 5 Round Pins, Surface Mount - 30mA, RCD with Switch
<b>56SC520RC</b>	500V - 20A - 5 Round Pins, Surface Mount - 30mA, RCD with Switch
<b>56SC532RC</b>	500V - 32A - 5 Round Pins, Surface Mount - 30mA, RCD with Switch
<b>56SC540RC</b>	500V - 40A - 5 Round Pins, Surface Mount - 30mA, RCD with Switch

Available in impact Grey (GY) and Resistant Orange (RO)

**Portable RCD Protected Combinations – IP56**

<b>56C310EL2P</b>	250V - 10A - Twin, 3 Flat Pins, 30mA, RCD Protection
<b>56C315ELP</b>	250V - 15A - Single, 3 Flat Pins, 30mA, RCD Protection

**Portable RCD Protected Outlets – IP56**

<b>56S04ELP15</b>	250V - 10A - 4 Auto Switching, 30mA, RCD Protected Sockets
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56 Series complies with AS/NZS 3190 and AS/NZS 3102.

Portable units comply with AS/NZS 3112.

**NOTE:** For more information, refer to the 56 and 66 Series Industrial Switchgear brochure.

**Single Phase RCD (IP66)**

<b>56RC</b>	250V - 20A - 2 Pole, 30mA, One Phase, RCD
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## ADDITIONAL RCD ENCLOSURES

Clipsal can also provide additional enclosures or equipment so that RCDs can be mounted or installed in almost any application. This includes plastic and heavy duty metal switchboards, industrial enclosures with or without power outlets and Wilco Metal Clad enclosures with or without power outlets.



4CC4



4C11FD



WICMDIN110



56CB4,GY



WMDIN2



WMCIN510

### SWITCHBOARDS/ ENCLOSURES

#### DIN Rail Enclosures

Built with the electrical contractor in mind the Clipsal range of switchboards/enclosures includes options with RCDs or options to suit RCDs. Generous wiring room and an extensive choice of sizes, mounting options (recessed or surface mount), construction (plastic or metal) make them the ideal choice for RCD/ MCB installations.

### INDUSTRIAL ENCLOSURES

#### Surface DIN Enclosures and Mounting Cover Kits

Industrial RCD enclosures and covers come loaded with features, which make them ideal for applications where a high level of protection is required.

They come complete with DIN rail or mounting bracket and a transparent-polycarbonate hinged flap, which provides instant visibility and ease of access to operate equipment. In addition, the industrial RCD enclosures also come with a cover gasket in order to provide effective water sealing.

Wilco Hi-Impact covers are moulded in light grey polycarbonate, with mid grey back-box enclosures. Optional Electric Orange colour is also available. 56 Series cover assemblies are moulded in UV stabilised polycarbonate. Available in Grey, Resistant White and Resistant Orange.

### WILCO METAL CLAD ENCLOSURES

#### Surface DIN Enclosures with or without power outlets

Thanks to its tough aluminium enclosure casing being dust resistant, hose-proof (IP66 rated) and UV resistant, the Metal Clad Series is suitable for heavy industrial environments.

The die-cast aluminium body of the Metal Clad Series provides greater damage resistance than plastic ranges. It can even withstand a severe 'crunch' from something hard and heavy, the kind of machinery that would normally damage electrical equipment.

For more information on any of the products featured above or to find additional accessories and enclosures in the Wilco range please refer to our website, [clipsal.com](http://clipsal.com)

## DID YOU KNOW?

When building or renovating, safety is one area that must not be compromised and it's important to know that the Clipsal Safety Switch is just one of many quality products in the company's extensive safety portfolio. Consider the below products for greater peace of mind.



INFRASCAN



CCTV



THERMAL TRIP POWER OUTLET



SMOKE ALARMS



SURGE ARRESTORS

Clipsal also design and manufacture several other ranges with electrical protection and safety in mind. This includes smoke alarms, surge protection, the thermal monitoring power outlets, CCTV security systems, C-Bus home control and Infrascan sensor lighting, to name a few. For more information on any of these products visit [clipsal.com](http://clipsal.com)

### Infrascan

Great for added home security, the Infrascan acts as a light controller and provides an automatic on/off function based on movement. This helps people to safely make their way to and from a garage or shed at night and is ideal for deterring intruders from entering your property.

### CCTV

Scare off potential burglars or keep an extra eye on the kids; whether watching them play in the pool or to observe a sleeping baby. Undeniably, the Clipsal surveillance camera provides that added peace of mind when it comes to the safety and security of any family.

Why not link surveillance cameras to a home networking system, such as Clipsal StarServe? This enables the ability to program a devoted security channel into the TV, for complete monitoring of any area of the home via remote control.

### Thermal Trip Power Outlet

The thermal trip is an innovative power outlet that comes loaded with benefits. Designed to shut down power to a device if overheating is detected. It protects wiring, prevents fires from starting and avoids any further damage to the device when there is a fault or problem. Additionally, you can reset from the power outlet straight away, rather than having to go outside to the mains switchboard.

Note: This item is not a safety switch.

### Smoke Alarms

Correctly located, Clipsal smoke alarms give early warning of fire and provide people time to safely escape before a house fills with toxic smoke.

### Surge Arrestors

Clipsal has a wide range of lighting and overvoltage protection equipment for electrical switchboards, power outlets and portable devices. These devices protect your valuable electrical or electronic equipment against overvoltage spikes caused from lightning strikes or from those that travel down the power lines into your home.

### Hints for Electrical Safety

1. Test your Clipsal safety products on a monthly basis by operating their inbuilt test function.
2. All fixed wiring electrical work must be carried out by a licensed electrical contractor.
3. Fuses and circuit breakers are not Safety Switches. They are designed to safeguard electrical circuits from overloading to protect property, not people.
4. Never use a power tool or appliance that you know is faulty or has a frayed cord.
5. Always switch off a power outlet before you plug in or unplug any power tool or appliance.

## AUSTRALIAN & NEW ZEALAND STANDARDS

STANDARD				
AS/NZS 3012	AS/NZS 3100	AS/NZS 3105*	AS/NZS 3111	AS/NZS 3112
DESCRIPTION				
<p>Construction and Demolition Sites</p> <p>Portable Socket Outlet Assemblies (PSOAs). Complying with AS/NZS 3190) are:</p> <ul style="list-style-type: none"> <li>• IP33 minimum</li> <li>• Marked with "Complies with AS/NZS 3012"</li> <li>• Flexible cord to have a maximum length of 2m</li> </ul>	<p>Approval and Test Specification - General Requirements for Electrical Equipment</p>	<p>Electrical portable outlet device (EPOD</p> <p>EPOD indoor - No IP protection and marked "for indoor use only"</p> <p>EPOD for general use - IP33 minimum (including tents)</p>	<p>Essential Safety Requirements for Approval and Test Purposes for Miniature Overcurrent Circuit Breakers</p>	<p>Approval and Test Specification - Plugs and Socket Outlets</p>
COMPLIANT PRODUCTS				
<p>485 SERIES, 56C310EL/2P, 56C315ELP, 56S04ELP15, 956</p>	<p>All products within this brochure</p>	<p>485 SERIES, 955, 955/10, 956</p>	<p>4RCBEXXX/30S, 4RCBEXXX/30, 4RCBEXXX/10, 4RCBMXXX/10</p>	<p>951, 952, 952/15, 955, 955/10, 956, 485 SERIES, 15/15EL10, 15/15EL30, 25EL10, 25EL30, 2025RC, 2025RC10, 2025RCD10, 2025RCD30, 2727RC30, 2727VRC30, C2025RC, C2025RC10, C2025RCD10, C2025RCD30</p>

\* Minimum length of flexible cord 0.9m and various lengths depending on flexible cord. Electrical portable outlet devices (EPODs) to AS/NZS 3105 do not comply with the requirements of PSOAs and shall not be used on construction and demolition sites. Electrical portable outlet devices complying with AS/NZS 3105 shall not be used as outlet boxes.

STANDARD				
AS/NZS 3190 TYPE I	AS/NZS 3190 TYPE II	AS/NZS 3190 CLASS H	AS/NZS 3190 CLASS L	AS/NZS 3190 CLASS PSOA
DESCRIPTION				
<p>Operates on a residual a.c. current not exceeding 10mA and with an interrupting time not exceeding 40ms.</p> <p>Required for medical installations complying with AS/NZS 3003.</p> <p>AS/NZS 61008.1 and AS/NZS 61009 reference a 10mA RCD, which is not Type I (i.e. with 300ms maximum tripping time). These RCDs are to be marked: "GENERAL TYPE, NOT FOR PATIENT AREAS".</p>	<p>RCDs exceeding 10mA but not exceeding 30mA</p>	<p>RCDs exceeding 10mA a.c. but not exceeding 30mA</p> <p>A Portable Residual Current Device (PRCD) primarily intended for general industrial use</p>	<p>A single phase PRCD primarily intended for household or similar use</p>	<p>A Portable Socket Outlet Assembly (PSOA) is a Class H PRCD Socket Outlet Assembly fitted with:</p> <ul style="list-style-type: none"> <li>• 30mA RCD</li> <li>• MCB overcurrent protection</li> <li>• two or more single phase or three phase socket outlets</li> <li>• each socket outlet has an individual switch operating on all live conductors</li> <li>• minimum IP rating of IP33</li> <li>• complies with AS/NZS 3012</li> <li>• the flexible cord shall be a maximum length of 1.8m from the plug top to the RCD part.</li> </ul>
COMPLIANT PRODUCTS				
<p>4RCBEXXX/10, 4RCBMXXX/10, 15/15EL10, 25EL10, 2025RC10, C2025RC10, 2025RCD10, C2025RCD10, 2031RC10, 2031VRC10, 2031RCD10, 2031VRCD10</p>	<p>4RC Series, 4RCBEXXX/30S, 4RCBEXXX/30, 15/15EL30, 25EL30, 2025RC, C2025RC, 2031RC30, 2031VRC30, 2727RC30, 2727VRC30, 485 SERIES, 56C SERIES, 56RC SERIES 56SC SERIES 952, 952/15</p>	<p>485 SERIES, 56C310EL/2P, 56C315ELP, 56S04ELP15, 951, 952/15, 955, 955/10, 956</p>	<p>952</p>	<p>485 SERIES</p>

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