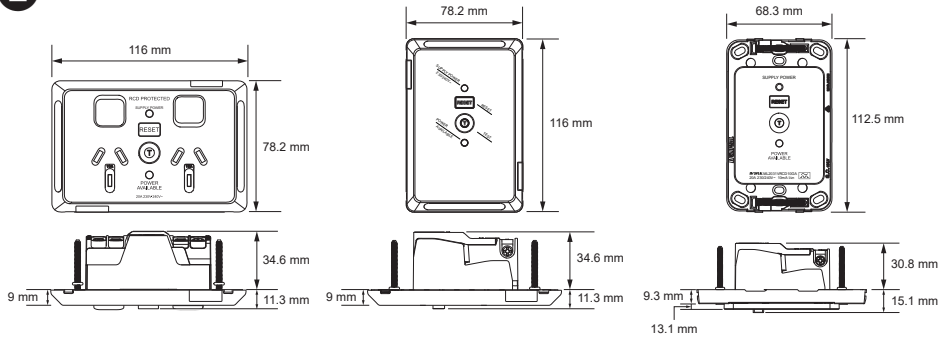


2

RCD Socket outlet

RCD Plate

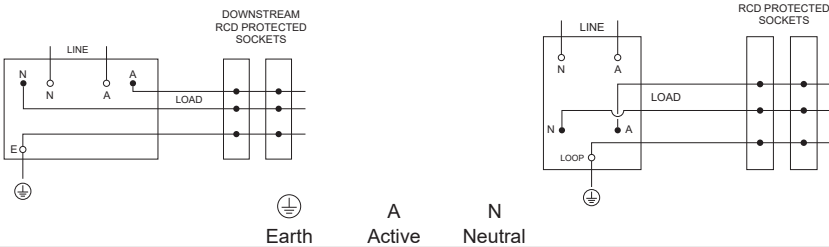
RCD Grid



3

RCD Socket outlet

RCD Plate / RCD Grid

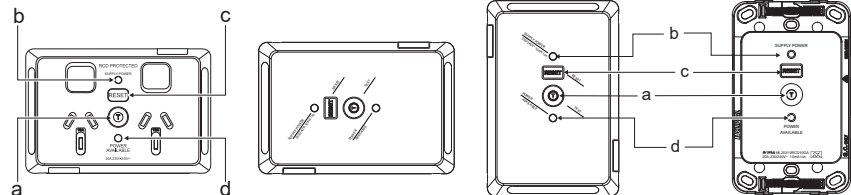


4

RCD Socket outlet

RCD Plate

RCD Grid



Residual Current Device

About this product

RCD Sockets and Plates feature a 20A residual current device (RCD), which is an electronic sensing device designed to protect against injury in the case of an earth leakage electrical fault.

1 Package contents

- A Residual Current Device
- B Installation guide
- C Megger test label

2 Product Dimensions

3 Wiring diagram and electrical connections

- a. RCD Socket outlet
- b. RCD Plate / RCD Grid

NOTE: The Trip status of this product will remain unaffected by loss of upstream power supply.

⚠️ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

- This product must be installed and serviced by appropriately qualified and/or licenced electrical personnel.
- Isolate the electrical supply before doing any work on this product.
- Ensure that the product has been correctly installed and tested for safe operation before reconnecting the electrical supply.
- If there is no response to the **Reset** procedure, **DO NOT USE** the connected devices. See the **Troubleshooting** section overleaf or consult a licensed electrician.

Failure to follow these instructions will result in death or serious injury.

4 Testing and operation

NOTICE

RISK OF EQUIPMENT DAMAGE

- Load terminals must not be connected to incoming supply.
- Fuses or circuit breakers must be installed at the switchboard for affected circuits and must be 20 A maximum rating.
- The RCD has been designed to operate at no more than four reset and four test cycles per minute. Do not exceed these limits.

Failure to follow these instructions can result in equipment damage.

⚠️ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

- Upstream outlets will NOT be protected by this RCD.
- The RCD protects against earth leakage faults but will not protect from overload.
- The RCD will only protect individuals from active to earth contact, which is the largest cause of electrocution. **The RCD will not protect against active to neutral faults.**

Failure to follow these instructions will result in death or serious injury.

Controls and indicators

RCD Socket outlet, RCD Plate, RCD Grid

Diagram legend:

- a. **Test** button
- b. **RCD Supply Power indicator**
Indicates the Power supply (White = ON)
- c. **Reset** button
- d. **Power Available indicator**
Indicates the trip status of the RCD, displays Amber when RCD is latched and output power is available.

Operation

- (1) To reset the unit, push the **Reset** button c..
- (2) Check that the **Power Available** indicator d. displays Amber when ON.

Testing

- (1) Check that the **Power Available** indicator d. is ON.
- (2) Push the **Test** button a..
- (3) Check the **Power Available** indicator d. displays Amber when ON, will switch OFF, indicating that the RCD has tripped and downstream outlets/devices have been effectively isolated and safely removed from supply.

IMPORTANT:

- When indicators are illuminated, further operation of the **Reset** button will have no effect.
- When **Power Available** indicator d. is extinguished, further operation of the **Test** button will have no effect.


AS/NZS 3003 Testing

These products are designed and certified to AS/NZS 3190. For products installed in patient areas, AS/NZS 3003 clause 8.1 requires annual testing of body-protected and cardiac-protected electrical areas. Part of this includes testing the sensitivity and maximum tripping time of RCDs. For the purposes of annual testing, an a.c. current is used to meet the slowly rising fault current required by AS/NZS 3003.

Note: If you wish to test d.c. pulse sensitivity this test must be conducted in accordance with AS/NZS 3190 clause 8.12



Technical data

Parameter	MLP3025RCD10A PDLP395RCD10V2	MLP3031RCD10A PDLP396RCD10	ML2031VRCD10GA	P3025RCD30V2 PDLP395RCD30V2	PDLP396RCD30
Nominal voltage	230 - 240 Vac				
Frequency	50 Hz				
Amperage	Maximum: 20 A				
Function	RCD Socket	RCD Plate	RCD Grid	RCD Socket	RCD Plate
RCD trip current	10 mA			30 mA	
RCD type	AC and pulsating DC protection				
	Type I , Type A			Type II , Type A	
Operating humidity range	+10% to +95% RH				
IP rating	IP 20				
Operating Temperature	0° C to +45° C				
LED Indicator	Amber – for Power Available , White - for Supply Power				
Required circuit protection	Incoming 3 kA circuit protection by MCB or HRC fuse, 20 A max.				
Mounting centres	84mm Australian plate				
Compliance Standards	AS/NZS 3100, AS/NZS 3190, AS/NZS 3112 for RCD Socket				
	ISO 22196				
RCM					

Function	10mA RCD Grid	10mA RCD Socket	10mA RCD Plate	30mA RCD Socket	30mA RCD Plate
Medilec	ML2031VRCD10GA	MLP2025RCD10A	MLP2031RCD10A	NA	
Colour code	WE: White Electric RD: Red DB: Dark blue	WE: White Electric RD: Red DB: Dark blue BG: Beige	WE: White Electric RD: Red DB: Dark blue	NA	
Antibacterial surface*	ISO 22196			NA	
Pro Series	NA	PDLP395RCD10V2	PDLP396RCD10	PDLP395RCD30V2 P3025RCD30V2	PDLP396RCD30
Colour code	NA	XW: Extra White			

*Antibacterial specifications: (*For Medilec Range only)

All user touchpoint of the product are made of antibacterial materials.

These products were tested and complies to the International Antibacterial Standard ISO 22196:2011

According to AS/NZS 3003 for Patient areas a maximum of six (6) Twin Sockets can be installed downstream of an RCD Plate / RCD Grid.

Troubleshooting

ID	PROBLEM	SUPPLY POWER	POWER AVAILABLE	REASON	ACTION
1	There is no power available at the Socket outlets of the RCD.	OFF	OFF	Line power is not available.	Check incoming power supply to the RCD.
		ON	OFF	RCD has tripped.	Press the Reset button.
2	RCD resets, then immediately trips out.	ON	Flashes ON then OFF	Faulty appliance plugged in to the RCD or protected circuit (downstream).	<ul style="list-style-type: none"> Disconnect all appliances on protected circuit. Reset RCD, then test each appliance individually using the RCD. Until the faulty appliance is discovered, DO NOT USE any of the appliances.
3	RCD resets, then some time later trips out.	ON	Flashes ON then OFF	Faulty appliance with a slow leakage build up, plugged into RCD or protected circuit or cumulative leakage from several appliances combining to exceed rating of outlet.	<ul style="list-style-type: none"> Determine time taken for RCD to cut out until appliance is reset. Disconnect all appliances on the protected circuit. Reconnect one appliance at a time and reset RCD for the duration of the cut-out time, until the faulty appliance is discovered. The faulty appliance should be checked by an appropriately qualified person.
4	RCD will not trip when Test button is pressed.	ON	ON	Neutral to earth fault upstream, or RCD is faulty.	<ul style="list-style-type: none"> Have an appropriately qualified person check the wiring. Have the RCD checked by a licensed electrician, and if found to be faulty, return it to the manufacturer.

Warranty Information (Australia)

We warrant this product for 2 years—visit

<https://www.schneider-electric.com.au/en/about-us/legal/terms-and-conditions.jsp> for details.

Our goods also come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

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