

Residual Current Device (RCD)

Installation Instructions

3025RCD30 | PDL391RCD30 | PDL395RCD30
 P3025RCD30 | PDLP391RCD30 | PDLP395RCD30
 P3025RCD10 | | PDLP395RCD10



For your safety



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 licenced electrician.

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

Patent notice

This product is the subject of one or more patents and/or design applications and/or registrations.

More information can be found at clipsal.com and pdl.co.nz.

Technical specifications

Parameter	3025RCD30 P3025RCD30 PDL395RCD30 PDLP395RCD30 PDL391RCD30 PDLP391RCD30	P3025RCD10 PDLP395RCD10
Nominal operating voltage	230–240 V a.c.	
Nominal operating frequency	50 Hz	
Socket maximum load	10 A	
Socket switching type	Double pole	
RCD contact type		
Maximum device load	20 A	
Maximum tripping current	30 mA	10 mA
Typical trip time	30 ms	
RCD capability	AC and pulsating DC protection	
Circuit protection required	Including 3 kA circuit protection by MCB or HRC fuse, 20 A max.	
Operating temp range	–10°C to +40°C	
Operating humidity range	+10% to +90% RH	
Mounting centres	84 mm Australian Pattern Plate	
Compliance standards	AS/NZS 3100, AS/NZS 3112, AS/NZS 3190	
EMC compliance	IEC 61543	

Specifications typical at 25°C
 No user-serviceable parts inside.

Installation instructions

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 this instruction will result in damage to the RCD.

NOTICE

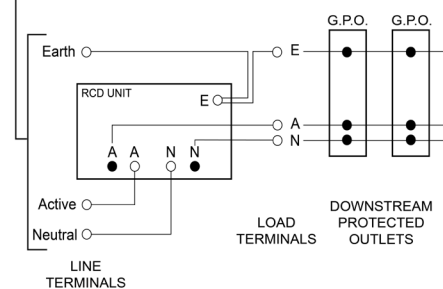
IMPORTANT NOTES REGARDING RCD PROTECTION

- 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 this instruction may result in damage to the RCD.

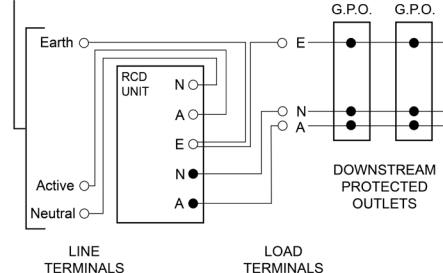
2-Gang

INCOMING SUPPLY FROM SWITCHBOARD (UPSTREAM)



1-Gang

INCOMING SUPPLY FROM SWITCHBOARD (UPSTREAM)



THIS PRODUCT WILL REMAIN UNAFFECTED BY LOSS OF UPSTREAM POWER SUPPLY.

Operation and testing

Controls and indicators - 1 Gang

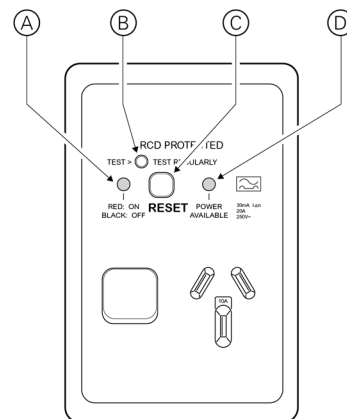


Diagram legend

- (A) **RCD status flag**
Indicates the trip status of the RCD (Red = ON, Black = OFF)
- (B) **Test button**
- (C) **Reset button**
- (D) **Power Available indicator**
Displays Red (30 mA) or Amber (10 mA)

Controls and indicators - 2 Gang

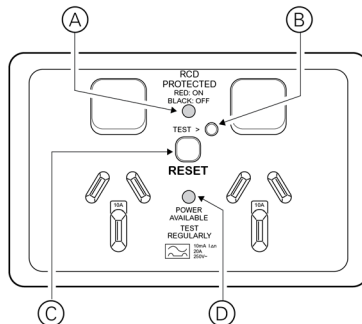


Diagram legend

- (A) **RCD status flag**
Indicates the trip status of the RCD (Red = ON, Black = OFF)
- (B) **Test button**
- (C) **Reset button**
- (D) **Power Available indicator**
Displays Red (30 mA) or Amber (10 mA)

Operation

- ① To reset the unit, firmly push the **Reset** button (C).
- ② Check that the RCD status flag (A) (Red = RCD ON) and the Power Available indicator (D) will switch ON.

Testing

TEST THE RCD ONCE PER MONTH TO ENSURE PROPER OPERATION.

- ① Check that the **Power Available** indicator (D) is ON.
- ② Firmly push the **Test** button (B).
- ③ Check the **RCD status flag** (A) (Red = RCD ON) and **POWER AVAILABLE** indicator (D) will switch OFF (black), indicating that the RCD has tripped and downstream outlets/devices have been effectively isolated and safely removed from supply.

Important notes

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

ID	Problem	RCD status flag	Power indicator	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		
		OFF	ON	RCD has tripped.	Press the Reset button.
2	RCD resets, then immediately trips out.	Pulses ON then OFF	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.	Pulses ON then OFF	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 a qualified person using Clipsal 489D Clamp Meter.
4	RCD will not trip out when Test button is pressed.	ON	ON	Neutral to earth fault upstream, or RCD is faulty.	<ul style="list-style-type: none"> Have an electrician check the wiring. Have the RCD checked by an electrician, and if found to be faulty, return to manufacturer.

Note:

Appliances that may occasionally cause problem number 3 are:

- Water Heaters,
- Electric Jugs and Kettles,
- Steam Irons,
- Dishwashers,
- Swimming Pool Equipment, and
- Auto Defrost Refrigerators and Freezers.

These appliances may also cause the RCD to 'trip out' initially due to presence of moisture and dust.

After installation, the RCD may result in faulty appliances 'tripping out' the unit. These initial trips will cease once the faulty appliances have been located and repaired.

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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Warranty information (New Zealand)

We warrant this product for 2 years—visit <https://www.schneider-electric.co.nz/en/about-us/legal/terms-and-conditions.jsp> for details.

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