Residual Current Device (RCD)

Installation Instructions

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

For your safety

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 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

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>3025RCD30</td>
<td>P3025RCD30</td>
</tr>
<tr>
<td>Nominal operating voltage</td>
<td>230–240 V a.c.</td>
</tr>
<tr>
<td>Nominal operating frequency</td>
<td>50 Hz</td>
</tr>
<tr>
<td>Socket maximum load</td>
<td>10 A</td>
</tr>
<tr>
<td>Socket switching type</td>
<td>Double pole</td>
</tr>
<tr>
<td>RCD contact type</td>
<td>Double pole</td>
</tr>
<tr>
<td>Maximum device load</td>
<td>20 A</td>
</tr>
<tr>
<td>Maximum tripping current</td>
<td>30 mA</td>
</tr>
<tr>
<td>Typical trip time</td>
<td>30 ms</td>
</tr>
<tr>
<td>RCD capability</td>
<td>AC and pulsating DC protection</td>
</tr>
<tr>
<td>Circuit protection required</td>
<td>Including 3 kA circuit protection by MCB or HRC fuse, 20 A max.</td>
</tr>
<tr>
<td>Operating temp range</td>
<td>−10°C to +40°C</td>
</tr>
<tr>
<td>Operating humidity range</td>
<td>+10% to +90% RH</td>
</tr>
<tr>
<td>Mounting centres</td>
<td>84 mm Australian Pattern Plate</td>
</tr>
<tr>
<td>Compliance standards</td>
<td>AS/NZS 3100, AS/NZS 3112, AS/NZS 3190</td>
</tr>
<tr>
<td>EMC compliance</td>
<td>IEC 615543</td>
</tr>
</tbody>
</table>

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

Operation and testing

Controls and indicators - 1 Gang

Diagram legend

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

2-Gang

Diagram legend

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Operation

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

Testing

TEST the RCD ONCE PER MONTH TO ENSURE PROPER OPERATION.

1. Check that the Power Available indicator is ON.
2. Firmly push the Test button.
3. Check the RCD status flag (Red = RCD ON) and POWER AVAILABLE indicator 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.
Customer care

Warranty information (Australia)

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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Customer Care: 13 78 23
Email: customercare.au@schneider-electric.com
www.schneider-electric.com.au

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.

Schneider Electric (NZ) Ltd
Building 6, 60 Highbrook Drive, East Tamaki, Auckland 2013, New Zealand
Customer Care: 0800 652 999
Email: sales@nz.schneider-electric.com
www.schneider-electric.com

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Troubleshooting

<table>
<thead>
<tr>
<th>ID</th>
<th>Problem</th>
<th>RCD status flag</th>
<th>Power indicator</th>
<th>Reason</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>There is no power available at the socket outlets of the RCD.</td>
<td>OFF</td>
<td>OFF</td>
<td>Line power is not available.</td>
<td>Check incoming power supply to the RCD.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ON</td>
<td>OFF</td>
<td>RCD has tripped.</td>
<td>Press the Reset button.</td>
</tr>
<tr>
<td>2</td>
<td>RCD resets, then immediately trips out.</td>
<td>Pulses ON then OFF</td>
<td>Flashes ON then OFF</td>
<td>Faulty appliance plugged in to the RCD or protected circuit (downstream).</td>
<td>Disconnect all appliances on protected circuit. \nReset RCD, then test each appliance individually using the RCD. \nUntil the faulty appliance is discovered, DO NOT USE any of the appliances.</td>
</tr>
<tr>
<td>3</td>
<td>RCD resets, then some time later trips out.</td>
<td>Pulses ON then OFF</td>
<td>Flashes ON then OFF</td>
<td>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.</td>
<td>Determine time taken for RCD to cut out until appliance is reset. \nDisconnect all appliances on the protected circuit. \nReconnect one appliance at a time and reset RCD for the duration of the cut-out time, until the faulty appliance is discovered. \nThe faulty appliance should be checked by a qualified person using Clipsal 4860 Clamp Meter.</td>
</tr>
<tr>
<td>4</td>
<td>RCD will not trip out when Test button is pressed.</td>
<td>ON</td>
<td>ON</td>
<td>Neutral to earth fault upstream, or RCD is faulty.</td>
<td>Have an electrician check the wiring. \nHave the RCD checked by an electrician, and if found to be faulty, return to manufacturer.</td>
</tr>
</tbody>
</table>

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.