

**CLIPSAL**<sup>®</sup>  
by Schneider Electric

## Residual Current Device (RCD) 56RC Series Installation Instructions

REGISTERED DESIGN • REGISTERED PATENT

**56** SERIES™

### Features

Your Clipsal RCD is an electronic sensing device that constantly monitors the balance of current flow between Phase and Neutral from any permanently connected appliance or socket outlet wired to the unit, which has an appliance plugged into it.

Should a person's body make contact with live parts of an appliance to Earth, an imbalance is sensed by the RCD and the supply automatically switches off before the current has time to cause a fatal injury. Use of an RCD does not eliminate the need for basic electrical safety precautions.

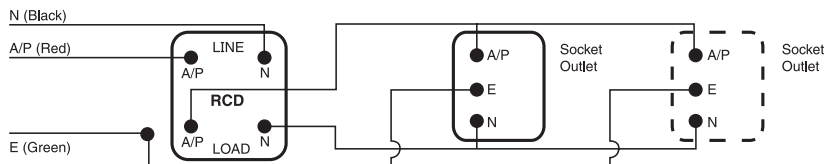
### Important Notes

- Your RCD is designed to protect you against electrical faults to Earth.
- Your RCD is designed for wiring to socket outlets that are used for permanently connected appliances or those frequently plugged in, such as power tools, process machinery and catering equipment.
- Your RCD is designed as a protection device, therefore DO NOT use as an on/off switch.
- It is normal for the front panel of your RCD to be slightly warm during use.
- RCD devices do not protect you against an electrical shock caused by contact with both Phase and Neutral of the electrical circuit.
- Any appliance connected to an RCD unit MUST be unplugged or disconnected before any inspection or repair is attempted on the appliance.
- If your RCD does not trip during the test, or trips during use, please contact a qualified service agent for advice.
- Ensure that 20A max MCB or HRC fuses are installed in your distribution board to prevent damage to your RCD, as it does not provide protection against overload.
- Your RCD includes double pole switching to give added safety against faulty wiring.

### Installation Instructions

Prior to wiring, ensure the supply is disconnected at the distribution board and study the connection diagram before terminating any wires. Be careful not to connect the supply line to any terminal other than that indicated in the diagram and on the product. For your RCD to give protection, the supply must be wired to the LINE A/P, N. If another socket outlet is to be protected downstream of the RCD, it must be connected to the LOAD A/P, N and E on your RCD.

## Connection Diagram



For full IP66 applications, ensure all screws are covered with the appropriate caps supplied. Conduit entries may require sealing due to condensation. Suitable silicone sealants include: Dow Corning RTV-732, 780 Roof and Gutter Sealant or Ramset RBC 833.

**Warning:** Use only recommended silicone sealants.

## Test Instructions

1. Press RESET button. Check the indicator has changed from BLACK to RED.
2. Press TEST button. Check the indicator has changed from RED to BLACK (if your RCD fails the above test, **DO NOT USE** and contact a qualified agent).
3. Press RESET button to activate your RCD and operate appliance or tool as normal.

## Specifications

<b>Rating</b>	230-240V a.c. 50Hz	<b>Protection</b>	IP66
<b>Rated current</b>	20A	<b>Operating temp.</b>	-10° to 40°C
<b>Maximum load</b>	4800W	<b>Dimensions</b>	100 x 100 x 75mm
<b>Max. tripping current a.c. and pulsating d.c.</b>	10mA or 30mA	<b>Type tested to</b>	AS/NZS3100, AS/NZS3190, AS.NZS3175 Clause 9.21, Type A RCD's
<b>Average trip time</b>	30ms		

## Product Warranty. 12 Months

The Clipsal 56RC has a 12 month warranty from the date of purchase, providing the unit is installed according to these instructions, local wiring regulations and codes of practice. This warranty is void on any unit which has been tampered with, damaged by accident, improperly operated or incorrectly installed. This guarantee is in addition to, and does not in any way affect the rights under the Consumer Guarantees Act 1993, if the Act applies to the supply of this product and you are not acquiring the product for a business use. If the Act applies and any term is inconsistent with the terms or requirements of the Act that term shall be invalid without affecting the remaining terms of the warranty.

In the event of a warranty claim, the product must be returned to the point of purchase or direct to Australian/New Zealand distributors together with the proof of purchase.

### Clipsal Australia Pty Ltd

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