

RCD 2POLE Type AC, A, S
Instruction Leaflet DOC:RCD2020



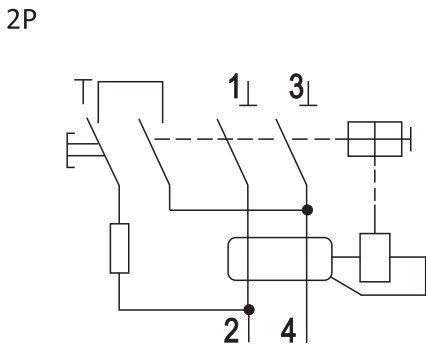
- Type AC** - General purpose RCD for use on AC only
- Type A** – RCD used to detect AC and pulsating DC components
- S Type** – Time delayed version



1 Technical information

Rating (A)	25, 40, 63, 80, 100
Number of Poles	2P
Residual Operating Current (IΔn)	30mA, 100mA
Voltage(V)	230V
Frequency	50/60Hz
Type	AC, A , S
IP RATING	IP20 (EN 60529)
Conditional short circuit capacity	6kA
Torque (switch terminals)	2.5Nm
Maximum cable	25mm ² / 35mm ² (100A version)
Complies with	IEC EN 61008-1

Connection Diagram



- 1b RCD must be installed by a qualified electrician in accordance with the current IET Wiring Regulations BS 7671 and tested in accordance with IEC EN 61008-1.
- 1c Total load must not exceed the rating of the RCD or any additional limitation.
- 1d The correct type of RCD must be selected for the installation.

2 Installation

- 2a RCD range is designed to fit FuseBox consumer units and modular enclosures.
- 2b 35mm top hat din rail mounting.
- 2c Clip securely on to the din rail making sure the din rail clip at the bottom is pushed in, locking the RCD onto the din rail, ensure lever is in the OFF position.
- 2d Cut, dress and connect cables as shown in the **wiring diagram**. **Poles are not polarity sensitive (i.e. Neutral can on the LHS and Live on RHS or vice versa).**
- 2e 2Pole RCDs can be connected with the LOAD to the top or the bottom.

3 Connections

- 3a **Before powering up the circuit check all connections are TORQUED to 2.5Nm.**
Loose connections cause fires!!!!

4 Testing

- 4a On completion of the installation, it must be tested in accordance with the latest edition of the IET Wiring Regulations for Electrical Installations (BS 7671).

After installation and testing of this product it is essential that the INSTRUCTION LEAFLET is available for reference

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Operation of the TEST button on RCD

When newly fitted systems do not trip on the TEST button or using the RCD tester the problem is normally caused by an earth to neutral fault on the circuit (PME supply). Installers can easily check the RCD by removing the LOAD connections on the RCD and applying power. If the TEST button works the fault is in the circuit.

RCD TEST

RCDs ARE MANUFACTURED IN ACCORDANCE WITH **IEC/EN61008-1** AND MUST BE TESTED TO THIS SPECIFICATION.

AC and A Type

- 0.5IΔn RCD will not trip
- 1Δn RCD must trip within 300ms
- 5IΔn RCD must trip within 40ms
- TEST button RCD should trip

S type (time delayed)

- 0.5IΔn RCD will not trip
- 1Δn RCD must trip 130- 500ms
- 5IΔn RCD must trip 50 - 150ms
- TEST button RCD should trip

Environment

WASTE ELECTRICAL PRODUCTS SHOULD NOT BE DISPOSED OF IN HOUSEHOLD WASTE. CONTACT YOUR RETAILER OR LOCAL AUTHORITY FOR RECYCLING INFORMATION



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