

FuseBox® RTAMBD Bi Directional Mini Rcbo



FuseBox RTAMBD Bi Directional Mini Rcbo Instructions

[Home](#) » [FuseBox](#) » FuseBox RTAMBD Bi Directional Mini Rcbo Instructions 

Contents

- 1 [FuseBox RTAMBD Bi Directional Mini Rcbo](#)
- 2 [FAQs](#)
- 3 [Technical information](#)
- 4 [Wiring Diagram](#)
- 5 [PRODUCT INFORMATION](#)
- 6 [Installation](#)
- 7 [Connections](#)
- 8 [CONTACT INFORMATION](#)
- 9 [Documents / Resources](#)
 - 9.1 [References](#)
- 10 [Related Posts](#)

FuseBox®

FuseBox RTAMBD Bi Directional Mini Rcbo

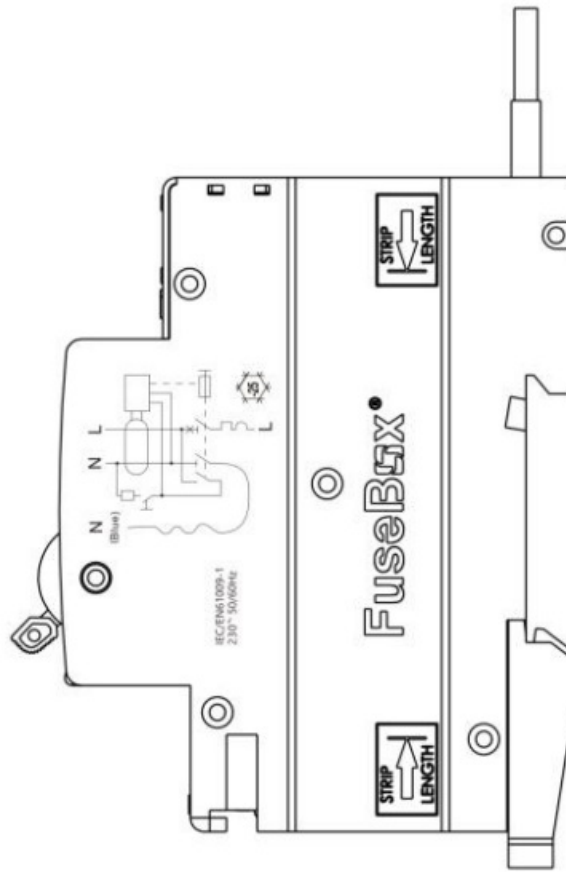
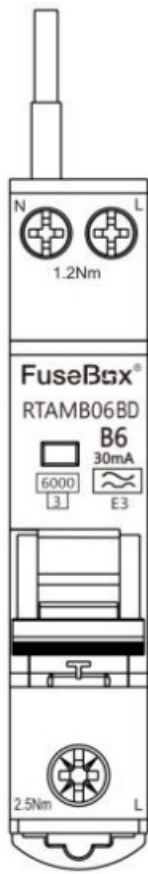


FAQs

What to do if an RCBO trips?

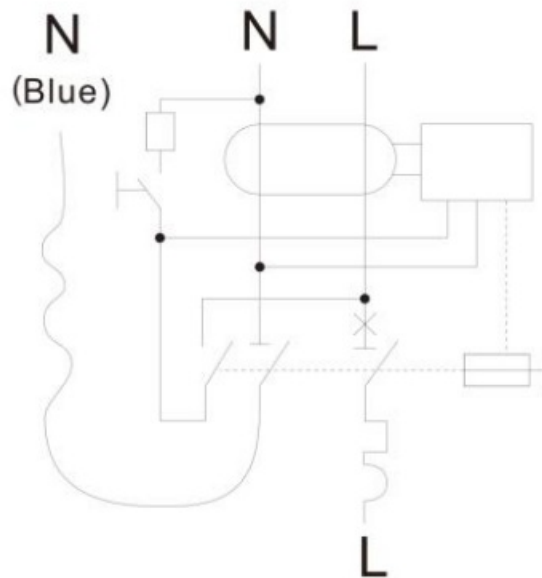
1. Reset tripped RCBO to ON position.
2. If RCBO trips again, disconnect all appliances connected to the circuit.
3. Switch RCBO to the ON position and connect 1 appliance at a time to identify the faulty one.
4. Once identified, do not use the faulty appliance until it has been checked.
5. If the fault persists, contact a qualified electrician for further assistance.

Technical information



Series	RTAM***BD
	BI-DIRECTIONAL RCBO
Rating (A)	6, 10, 16, 20,25, 32, 40
Tripping curve	B, C
Number of Poles	1P + N (switched neutral)
Residual Operating Current(I Δ n)	30mA
Type	A
Voltage(V)	230V
Frequency	50/60Hz
Rated short circuit capacity	6kA
IP RATING	IP20 EN 60529
Torque	2.5Nm / 1.2Nm
Maximum cable capacity	16mm ² (L BOTTOM) 10mm ² (L+ N TOP)
Neutral cable length	360mm (can be cut to suit)
Complies with	IEC 61009-1 IEC 61009-2-2

Wiring Diagram



PRODUCT INFORMATION

MINI RCBO series (RTAM***BD)

Bi-directional MINI RCBO with switched LINE and NEUTRAL. Used for the protection against overload, short circuit, and earth leakage in solar applications or where current flows in both directions. Type A for AC and pulsating DC sensitivity with a short circuit capacity of 6kA with a maximum rating of 40A. Compact in size increasing working space within a FuseBox consumer unit making installation, connection, and testing easier and quicker. Flying Neutral cable can be cut to suit but should be terminated.

TESTING

Line and Neutral conductors DO NOT NEED TO BE disconnected for IR (insulation resistance).

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

- 1b RCBO must be installed by a qualified electrician in accordance with the current IET Wiring Regulations BS 7671.
- 1c Total load must not exceed the rating of the RCBO or any additional limitation.

Installation

- 2a RCBO range designed to fit FuseBox consumer units and modular enclosures.
- 2b 35mm top hat din rail mounting.
- 2c Clip securely onto the din rail making sure the din rail clip at the bottom is pushed in, locking the RCBO onto the din rail, ensure the lever is in the OFF position.
- 2d Cut, dress and connect cables as shown in the wiring diagram.

Connections

- 3a Before powering up the circuit check all connections are TORQUED. 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).

Operation of the TEST button on RCBO

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

RCBO TEST

RCBOs ARE MANUFACTURED IN ACCORDANCE WITH IEC 61009-1 AND MUST BE TESTED TO THIS SPECIFICATION USING A CALIBRATED TEST METER.

General type

- $0.5I_{\Delta n}$ RCBO will not trip
- $1I_{\Delta n}$ RCBO must trip within 300ms
- $5I_{\Delta n}$ RCBO must trip within 40ms

What to do if an RCBO trips

1. Reset tripped RCBO to ON position
2. If RCBO trips again then disconnect all appliances connected to this circuit.
3. Switch the RCBO to the ON position and connect 1 appliance at a time to see which one trips the RCBO.
4. Once the faulty appliance has been identified, DO NOT USE the appliance until it has been checked.
5. Switch RCBO to ON position.
6. If fault does not clear phone a qualified electrician to check the installation

Environment


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

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

CONTACT INFORMATION

- www.fusebox.co.uk


Documents / Resources



FuseBox RTAMBD Bi Directional Mini Rcbo [pdf] Instructions

RTAMBD Bi Directional Mini Rcbo, RTAMBD, Bi Directional Mini Rcbo, Directional Mini Rcbo, M ini Rcbo, Rcbo

References

-  [FuseBox – Circuit Protection](#)
- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.