

# The residual current device RCD in the distribution box tripped because it didn't trip



## Overview

The most common reason for an RCD or GFCI tripping is moisture entering the circuit wires, a light fixture outside or somewhere else like the main fuse box. The best way to establish the cause of a tripped RCD is to ask a professional electrician to come and test the system. A residual-current device (RCD), residual-current circuit breaker (RCCB) or ground fault circuit interrupter (GFCI) is an electrical safety device, more specifically a form of Earth-leakage circuit breaker, that interrupts an electrical circuit when the current passing through line and neutral. An RCD (Residual Current Device) is designed to protect you from electric shock and fire by cutting off the power when it detects a fault. Here's why it happens and how to fix it: Moisture: Water near outlets or. The sudden loss of power when a Residual Current Device (RCD) trips is a sign that its critical safety mechanism is working. Frequent tripping can signal underlying issues.



## Article Content

Hot

### 10 Reasons RCDs Trip and How to Fix Them -

Learn the 10 common reasons RCDs trip—moisture, wiring faults, appliances, overloads, surges, shared neutrals—and practical fixes plus testing tips.

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### Why Does My RCD Keep Tripping? Causes and Fixes

RCD keeps tripping in your Liverpool home? Find out the 6 most common causes and what to do about each one. When to call an electrician and when you can fix it yourself.

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### RCD Keeps Tripping! How to Reset RCD Circuit Breaker & Restore

If your residual current device (RCD) continues to trip, it is highly probable that there is an electrical issue within your house, causing one of the circuit breakers to switch off the RCD.

Jun 26, 2026 Hot

### How to reset an RCD (Step-by-Step)

An RCD, or Residual Current Device, is a clever bit of kit found in most modern British homes. It's there to protect you from electric shocks by

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### Why Does My RCD Keep Tripping?

What is an RCD and What Does it Actually Do? RCD stands for Residual Current Device, it's a clever bit of kit designed to keep you safe by

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### RCD tripping: Tripped Circuit Breaker and What to do?

We will look at the reasons behind why an RCD (Residual Current Device) (GFCI) or circuit breaker might trip, what steps you can take to address the issue, and why

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### RCD Tripped -

A Residual Current Device (RCD) is a vital safety feature in your home's electrical system. It protects against electric shock and electrical fires by cutting off the

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What causes an RCD to trip

A Deeper Look at Why Your RCD Trips The sudden loss of power when a Residual Current Device (RCD) trips is a sign that its critical safety

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RCD Tripping Causes & Prevention | Gimpel Electrics

An RCD trips when the residual current device detects that electrical current isn't returning through the intended circuit. This can occur for many reasons - from

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Why Does My RCD Keep Tripping? Causes and Fixes

An RCD that keeps tripping is more than an inconvenience. It is your electrical system telling you something is wrong. Sometimes the cause is simple to find and fix yourself. Other times it points to a

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Why Does Your RCD Keep Tripping? Top 10 Causes

Are you worried about why your RCD is tripping frequently? Check out this guide to learn about the most common reasons and their solutions.

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Non-Functional Residual Current Devices (RCDs)

A guide on the malfunction of residual current devices, including causes, testing methods, and tips for replacement to ensure the safety of electrical installations.

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Does Your RCD Keep Tripping? Read To Prevent RCD

This article will explore the different reasons why your RCD could trip, how you can prevent it from happening in the first place, and finally what actions you could

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RCD Tripping - What Causes It & How To Fix It!

Experiencing frustrating RCD tripping? Our in-depth guide explores common causes, solutions & tips to ensure your home's electrical safety.

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How to reset a Residual Current Device (RCD) | RBH

An RCD (Residual Current Device) is a common safety device in domestic electrical supplies. It has a small reset button, often red or yellow, and is labelled RCD,

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How does RCD work?

With the Voltage Dependent (VD) technology, the summation current transformer measures residual current. An electronic circuit detects the tripping level and then

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RCD Trips: Your Complete Guide to Safety, Causes,

Residual Current Devices (RCDs) are a safety component used in modern electrical systems to safeguard individuals against electric shock and

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My RCD Keeps Tripping - What Do I Do?

Don't forget hard wired appliances, like the boiler. Reset the RCD: Locate your consumer unit (also known as the fuse box) and identify the RCD

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What causes an RCD to trip

The sudden loss of power when a Residual Current Device (RCD) trips is a sign that its critical safety mechanism is working. Unlike a fuse or circuit

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10 Common Reasons Why Your RCD Keeps Tripping

If your RCD keeps tripping, it usually means there is an underlying problem that needs attention. Understanding the most common causes can help you take the

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How to Reset Your Old RCD (step by step guide)

If your Residual Current Device (RCD) has tripped and won't reset, don't worry! In this video, I'll walk you through the exact steps to safely reset your old RCD and troubleshoot common ...

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RCD Tripping

What Is RCD? RCDs (residual current device) is a device that breaks up an electrical circuit quickly, in order to prevent grave

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How residual current device (RCD) works?

Figure 1 - Residual current device components The residual current device (rcd) is used to detect earth fault currents and to interrupt supply if an

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Why Your RCD Keeps Tripping and What to Do

Why is RCD Tripping? RCD protection works by detecting any current leakage from an electrical circuit and quickly disconnecting the power to prevent

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Lost Power? How to Fix a Tripped RCD at Home

Lost power to part of your home? It could be a tripped RCD. Learn how to reset your fuse board, find the fault, and know when to call an electrician.

Jan 13, 2026

## Contact Us

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