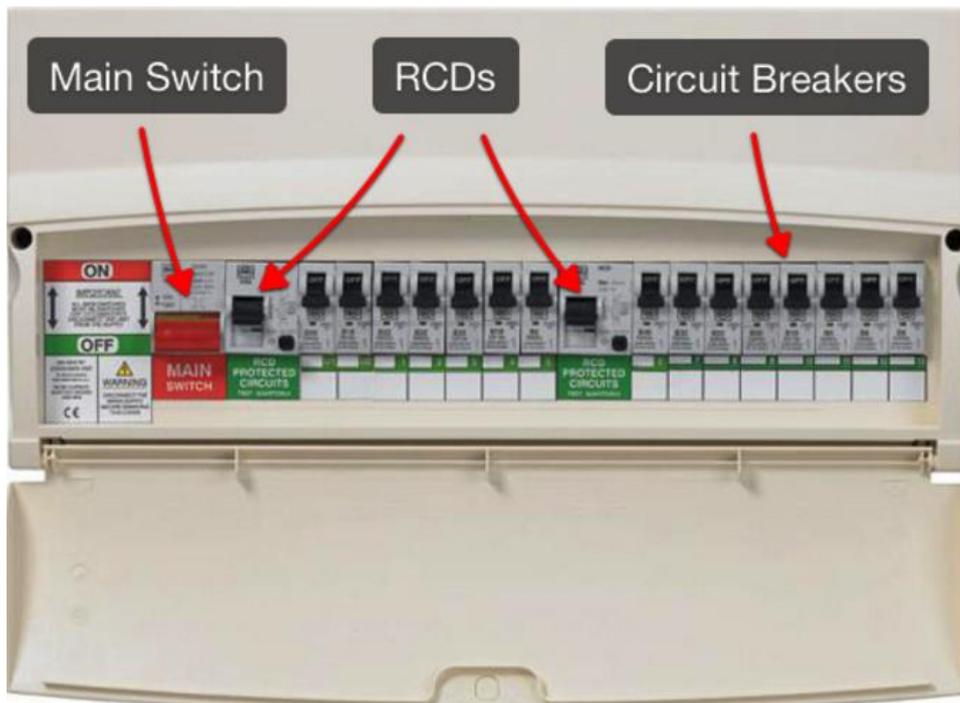


My fuse box keeps tripping:

A fuse box that keeps tripping indicates that you have a faulty electrical item or faulty wiring somewhere in your home. Working out what is wrong is largely a process of elimination, and you can usually narrow down the problem yourself.



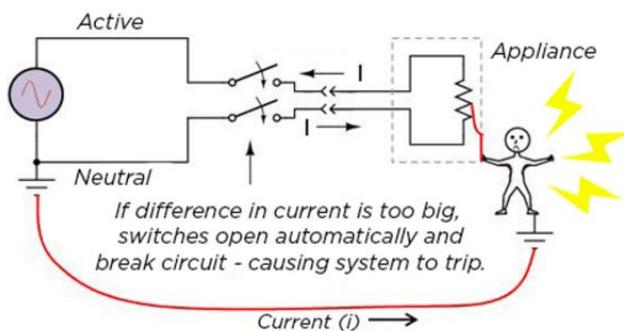
Why does my electricity keep tripping?

Well, RCDs, or Residual Current Devices, look out for abnormal electricity currents and shut off the power supply the moment that they detect any abnormalities. This might seem annoying, but they are a vital safety device and ensure that faulty wiring does not lead to electric shocks. So, don't get too irritated by a tripping RCD – this is likely a sign of a more serious problem and the RCD is doing you a favour by keeping you safe.

HOW DO THEY WORK?

Residual Current Device

With no RCD, the current (i) will flow through, killing you. An RCD will trip in the 20-50mA range, saving your life.

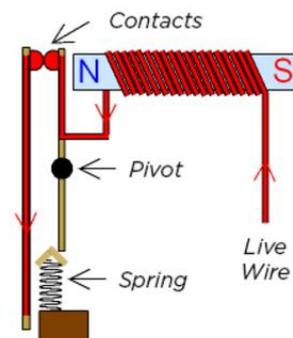


DID YOU KNOW?

Only 70% of the public know what an RCD is!



Circuit Breaker



If a current too big flows through, the electromagnet pulls to separate the contacts and will therefore break the circuit, disconnecting the power supply.

Although the following advice could help you resolve the problem and get your electricity supply working again without the help of an electrician, ZK Investments remind you that electricity can kill, and that you should not perform any electrical work if you are not 100% confident in your abilities. We take no responsibility for any injuries people sustain when following the guidance on this page.

How to find out what is causing the tripping:

When did the problem start? Think about when the fuse box started tripping. Did you turn on a lightbulb, overload a socket, or plug in a new electrical appliance? Switch off and unplug the appliance or fitting and try again.

If you don't know what might be causing the fuse box to trip, take a look at the switches and work out which fuse is tripping alongside the RCD. This will allow you to identify the room or circuit the fault is located in. Our fuses will usually be marked so you can easily identify what is tripping.

Unplug every appliance and fitting in the room, switch the electricity supply back on, and then methodically go around the room plugging things in until the RCD trips. Bear in mind that one of your electric appliances or fittings is faulty and could be dangerous, and although your RCD should protect you, this is not guaranteed.

If you can't narrow down the area of the problem, then unfortunately you will have to unplug everything in the property, and then plug them back in again one at a time.

Are you overloading your circuits? If you have a lot of appliances plugged in, especially appliances using a lot of electricity, and are running at the same time this could well overload your electricity. This is especially true if you have a number of different appliances in the same socket using an extension cord or a block adapter.



Do you have a damaged electricity cord? If you are using an appliance which has a visibly damaged cord, this may be causing the problem. A damaged cord can create an improper connection and can cause the RCD to trip your circuits.



Is the main breaker tripping but the individual breakers are fine?

This would indicate that the fault was in the fuse box itself. This could be because the main breaker is at a lower rating than the breaker for faulty circuits, or perhaps the main breaker has been wired incorrectly. If this is the problem, please contact us by email stating that this is the problem.