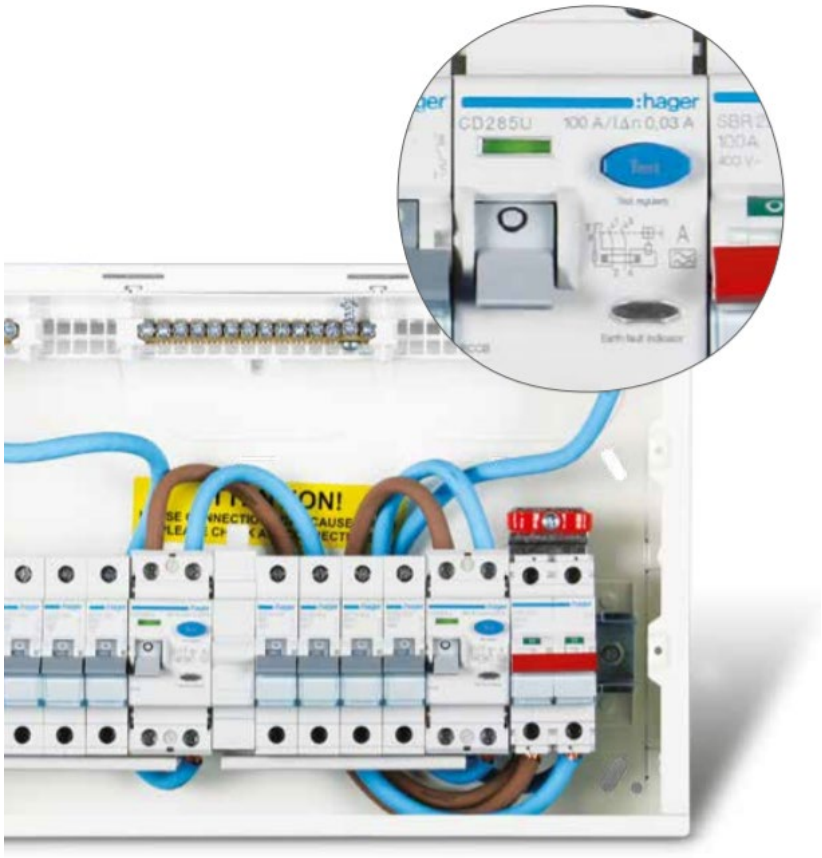
Residential

Fuse Boards

Functional, stylish, and innovative, Hager's Design 10 Range of consumer units provide an exceptional option for any home. In addition, we offer combinations of MCB's and RCBO's as well as new surge protection and arc fault detection solutions to provide optimal protection in your home.



Surge protection as standard

With everyday activities relying on electronic equipment, the whole nature of how electrical equipment is used in homes and at work has evolved.

Transient Overvoltages

Products such as computers, printers, flat screen televisions, alarms, microwaves and washing machines are common place. These can all be vulnerable to transient overvoltages, which can significantly reduce the equipment's lifespan through degradation and damage. A transient overvoltage or surge is a short duration increase in voltage measured between two or more conductors. In short, this means anything from microseconds (millionths of a second) to a few milliseconds (thousandths of a second) in duration.

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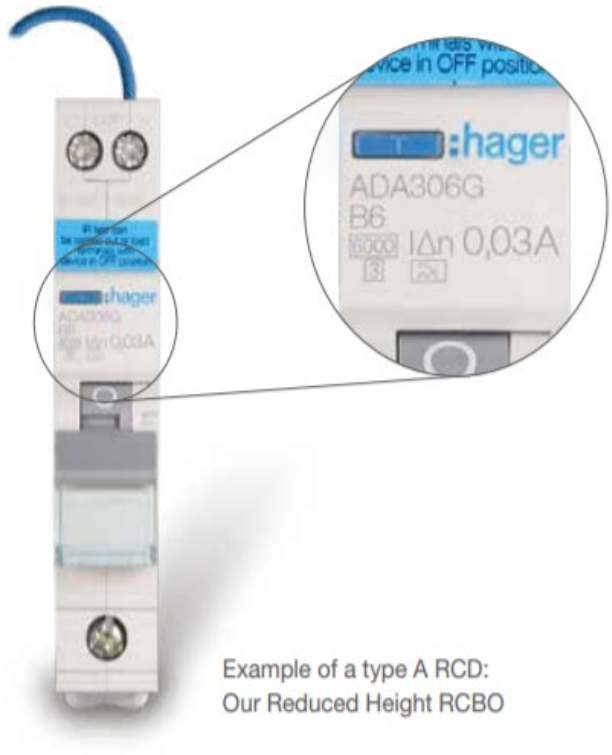

Example of a type A RCD:
Our Reduced Height RCBO

An RCD, or residual current device, is a life-saving device which is designed to prevent you from getting a fatal electric shock if you touch something live, such as a bare wire. It can also provide some protection against electrical fires. RCDs offer a level of personal protection that ordinary fuses and circuit-breakers cannot provide.

What does an RCD do?

An RCD is a sensitive safety device that switches off electricity automatically if there is a fault.

An RCD is designed to protect against the risks of electrocution and fire caused by earth faults. For example, if you cut through the cable when mowing the lawn and accidentally touched the exposed live wires or a faulty appliance overheats causing

Design 10

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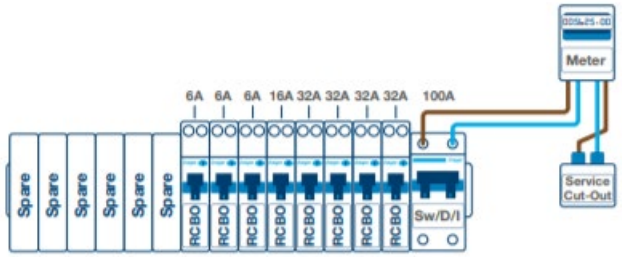
Consumer unit options we provide

There are two types of consumer unit you can chose to have installed in your property. Both do the same job and meet with the regulations.

After the latest update of the regulations brought in requirements for assesment of surge protection to be done on all new consumer units. We decided after consultation with our customers that fittng thease devices as standard would be the best way forward. Eliminating the “what if we had done it diferent” question when things go wrong. So both of the options below come with surge protection as standard.

Option 1

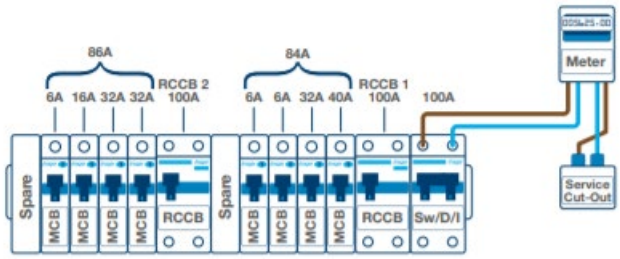
Option 1 is a fully protected fuse board with invidual circuit protection from overload and earth leekage (RCD protection). All your circuits are separate and should a fault occour it wil only switch off that circuit. We beleve that this is the best opption for pice of mind and ease of use in your



home.

Option 2

Option 2 is a fully protected fuse board with indavidual overload protection and shaired earth leakage protection (RCD protection). This option gives full peace of mind while keeping cost to



minimum.

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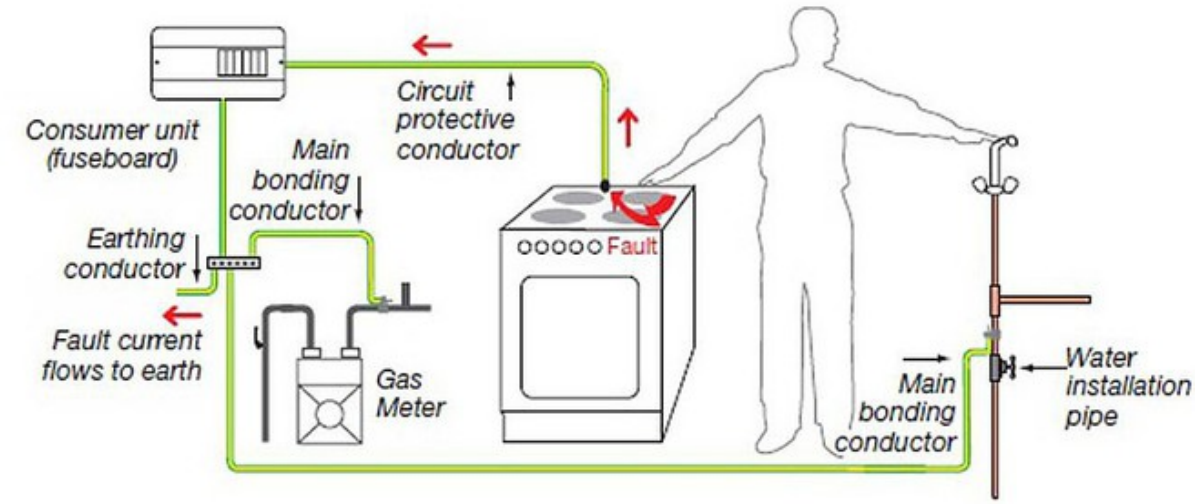
Earthing & Bonding.

When we change a consumer unit, we must ensure your property is protected correctly and part of that is making sure your earthing and bonding is correct and up to date.

What is bonding?

Bonding is used to reduce the risk of electric shocks to anyone who may touch two separate metal parts when there is a fault somewhere in the supply of electrical installation. By connecting bonding conductors (cables) between parts, (Usually the incoming gas and water supply) it reduces the voltage there might have been.

We will check this on a site visit to your property.



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