

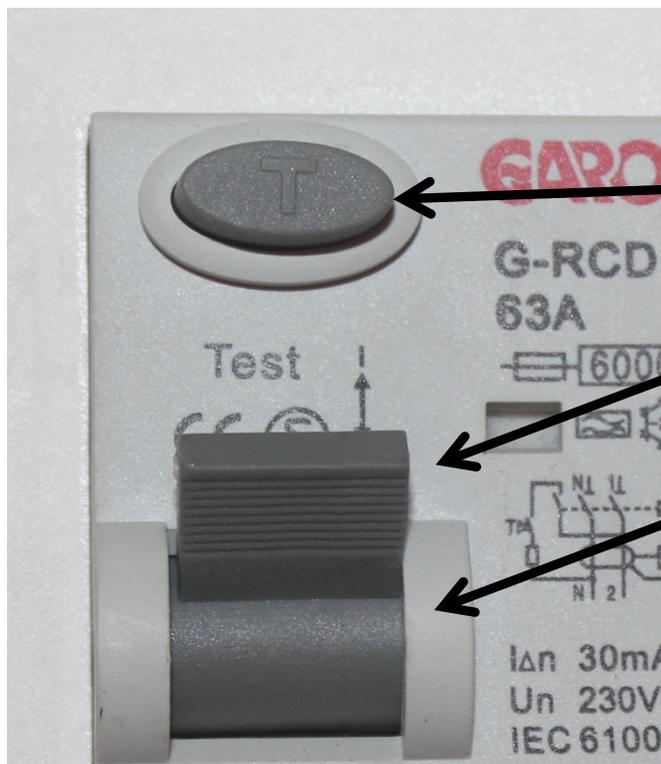
## Electricity Residual Current Device

Residual current device (RCD) switches are found in the fuse-board of all new electrical installations. The RCD switch is an important element in electrical safety as it identifies any leakages (faults) in electrical current.

The switch should be tested regularly to make sure it is working correctly. The ECTI advise to test at least every 3 - 6 months.



RCD Switch & Test button



1. To test - press 'T' button

2. RCD switch should move downwards

3. Reset switch by flicking into the position shown here

## **Electricity Kills!**

**Unfortunately for us, people are very good conductors of electricity!**

Even low electrical currents can seriously injure or kill a person. Electricity equipment and installations need to be safely maintained to prevent the risk of electrocution.

Whether you are injured, or worse, from an electric shock depends on

**1. The level of current**

The higher the current the more likely it is to kill you. Even levels of current as low as 30mA (milliamps) can kill a person by restricting movement of the muscles used to breathe.

**2. The path the current passes through you**

Electricity wants to get to ground and sometimes that involves passing through a person in order to do so. If the path crosses the chest and through your heart it can very often end in death.

**3. The duration the current flows through you**

The longer the current flows through you the more likely you are to be seriously injured. At levels of between 10 and 20 mA you are likely to have muscle spasms that may prevent you from moving and stopping the flow.

**Avoid using electrical equipment near water.**

**Don't use equipment that looks damaged.**

**Have equipment inspected and repaired by a competent person.**

**Never carry out any kind of modifications on live equipment.**