

SAFETY FEATURES

Fuse

Interrupts circuit if the current rises above a certain value (usually 10 A).
Protects the house.

Ground wire

Third wire which connects the metal case of a device directly to ground. Most of the current passes through the ground wire rather than through the person.
Protects people.

Ground fault circuit interrupter (GFCI)

Measures the current in both wires. If there's a difference in currents (usually 5 mA), the circuit is interrupted within 1 to 3 ms.
Protects people.