

# Residual current protection device in secondary distribution box fails

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 ...

**RESIDUAL** definition: pertaining to or constituting a residue or remainder; remaining; leftover. See examples of residual used in a sentence.

There are eight meanings listed in OED's entry for the noun residual, one of which is labelled obsolete. See "Meaning & use" for definitions, usage, and quotation evidence.

RCDs can provide protection for people against fatal electric shocks due to earth leakage and can also provide some protection against fire in installations.

This chapter provides basic information on how a residual current device (RCD) works, what level of protection such devices offer, and where they should be used.

Medicine remaining in an organ or part following normal discharge or expulsion: residual air. Geology remaining after the soluble elements have been dissolved: residual soil.

If a residual current protective device for other protection tasks (fault protection, fire protection) is connected upstream of an RCD for additional protection (rated residual current  $\leq 30$  mA), this second ...

It provide additional protection in area where excessive earth leakage current present. It automatically disconnect the power when an earth leakage current reaches a preset value. RCDs with a sensitivity ...

residual meaning, definition, what is residual: remaining after a process, event etc is ...: [Learn more.](#)

residual (rɪˈzɪdʒəl) adj 1. of, relating to, or designating a residue or remainder; remaining; left over

Residual definition: Of, relating to, or characteristic of a residue.

The measurement of leakage current provides an attenuation of high-frequency components, which are especially due to the presence of inverters in the circuit and are the main cause of unwanted tripping ...

The tested current level should be chosen above the pickup level plus the tolerance to make sure the current is not causing a pickup/dropout/pickup condition. This condition can cause longer trip times.

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An RCD is a protective device used to automatically disconnect the electrical supply when an imbalance is detected between live conductors. In the case of a single-phase circuit, the device monitors the ...

Detecting high-impedance faults in compensated distribution circuits requires a device with a very sensitive residual current input. The wattmetric directional method, described later in this paper, is ...

Adjective residual (not comparable) Of, relating to, or remaining as a residue; left over.

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