

Powersafe RCD DUO

Next Generation in
Earth Leakage protection

- Earth Fault Protection on IT, TT & MEN type systems
 - RCBO monitors current imbalance 30mA
- ESD monitors rise of voltage and current on earth
 - Multiple kA devices available
 - Fits in standard din cover



Made Tough for Australian Conditions
1800 338 979 | sales@powersafe.net.au
www.powersafe.net.au

Powersafe RCD DUO

Single Phase Protection: 10kA

- **MCB protection (overcurrent)**
- **RCD protection (in MEN systems)**
- **ESD Protection (voltage & current on earth)**

There are many situations where a traditional RCD or RCBO does not offer protection. A traditional RCD isolates power when there is a current imbalance between the active and neutral conductors (fault to Earth). To do this the RCD generally relies on good earthing integrity and a low earth impedance.

The Powersafe RCD DUO offers a much broader range of protection by operating in various earthing environments. The RCD DUO is designed to isolate power in the occurrence of a fault to earth on *MEN* and *IT* type systems. The RCD DUO is connected to the earth circuit, which however is not required to be earthed, so the need for earth staking generators is a thing of the past. Generally at 40 volts (the potential point to electrocute) the device will trip at 10mA. This can be altered to meet the application at the point of assembly.

Unlike many other devices on the market the RCD DUO has no relays or coils with moving parts and therefore is not subject to vibrations caused by generators and transportation.



SPECIFICATIONS			
Description	Current Rating	Size	Part Number
DUO 1P+N 10kA C10	10A	3 Module	DUO C10 10KA
DUO 1P+N 10kA C16	16A	3 Module	DUO C16 10KA
DUO 1P+N 10kA C20	20A	3 Module	DUO C20 10KA

Specifications subject to change without notice, Version: January 2019.

Numerous Powersafe products are protected by either registered designs, trademarks, patents, certification or a combination of IP protection



Made Tough for Australian Conditions
1800 338 979 | sales@powersafe.net.au
www.powersafe.net.au

Powersafe RCD DUO

Three Phase Protection: 10kA

- **All the advantages of the single phase model**
- **Can be paired with either MCB or RCD**
- **Added protection against phase loss**



The DUO ESD module is designed to be paired with the MCB on the supply circuit. This allows the fault condition to be easily identified. If the RCD trips there is an active / neutral imbalance. If the DUO ESD trips the MCB you know it is either an overcurrent (MCB), or a phase loss or voltage on earth fault (ESD).

The ESD will cause the MCB to isolate power in the event of a first fault and will allow power use without an Earthed electrical systems while still offering earth fault protection. The device can be fitted to RCD if required.

SPECIFICATIONS

Description	Current Rating	Size	Part Number
DUO ESD with C20 10kA 3 Pole MCB	20A	4 Module	DUO 415 C20
DUO ESD with C32 10kA 3 Pole MCB	32A	4 Module	DUO 415 C32
DUO ESD with C63 10kA 3 Pole MCB	63A	4 Module	DUO 415 C63

Specifications subject to change without notice, Version: January 2019.

Numerous Powersafe products are protected by either registered designs, trademarks, patents, certification or a combination of IP protection



Made Tough for Australian Conditions
1800 338 979 | sales@powersafe.net.au
www.powersafe.net.au

Powersafe RCD DUO

Plug n Play

As we are a Power Board Manufacturer, we offer the device in numerous power boards that are Australian certified and fully approved. This means you simply purchase a power board that utilizes the RCD DUO and plug n play.

Powersafe also stocks a complete range of IP66 rated circuit breaker windows and accessories for refitting of existing power equipment.

For further information please see the RCD DUO SAFETY FOR GENERATORS pamphlet or visit our website <http://www.powersafe.net.au>



This document is not offered as an electrical solution and is not offered as a substitute for correct Electrical connection – Refer to a licenced Electrician for connection to ensure that the electrical System is connected as required under Australian Standards



Made Tough for Australian Conditions
1800 338 979 | sales@powersafe.net.au
www.powersafe.net.au