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Reyrolle 7SR45 – Argus

Self / Dual Powered Over current Protection

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Description

The 7SR45 numeric relay provides both definite time and inverse time over current and earth fault protection functions ensuring sensitivity with a minimum operate setting of 0.2xIn for phase over current protection. The relay is CT powered with an option for connection to an external auxiliary supply to provide additional security and communications port for connecting to SCADA. The compact non draw-out design provides front fascia navigation keys, LCD and front USB port for ease of use.

Main Function	Over current and Earth Fault Protection
Inputs and Outputs	4 Current Transformers With 1A or 5A Inputs, 2 or 4 Binary Inputs & 2 or 4 Binary Outputs, Pulse Output & Remote Flag Output
Communication	Front USB port (for configuration via Reydisp) Rear RS485 (optional)
Housing	Size 4 - non draw-out case with mounting options available in standard 4U rack height or height reduced side mounting arrangement

Benefits
- CT powered with option for external auxiliary supply connection
- Dedicated switch-on-to-fault (SOTF) protection
- Self monitoring – Including battery condition monitor
- High sensitivity – Trip ready at 20% of In (single phase) & 13% of In (three phase) via low power pulse output or binary output
- Intelligent power management – Fail safe start up and shut down modes
- Internal lithium battery back-up for viewing fault data, setting the protection and resetting of indications

- Easy setting via the front fascia or using the Reydisp Evolution software via USB port
- Mechanical flag indication
- 2 case options for mounting in various size RMU's

Applications
- Protection relay for Ring Main Units without auxiliary power supply back up.
- Incomers, Feeders and MV/LV transformers
- Panel refurbishment of old electromechanical protection relays.

Protecting your electrical assets... today and tomorrow

Protection Functions
- 50 Instantaneous Over current
- 50N/G Instantaneous Derived/Measured Earth Fault Protection
- 51 Timed Delayed Over current Protection
- 51N/G Time Delayed Derived/Measured Earth Fault Protection
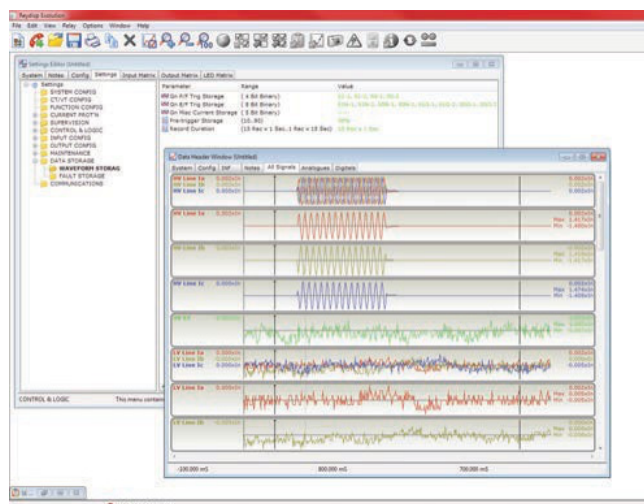- 50LC/SOTF Switch-On-To-Fault

Ancillary Functions
- 49T High speed external trip via BI
- 68 Protection Function Blocking/Inrush current blocking
- 86 Lockout

Communications
- IEC60870-5-103
- MODBUS RTU

Reydisp Software
Our user friendly PC software tool ensures a smooth installation providing an efficient and intuitive interface to the relay.