

Residual-current monitor

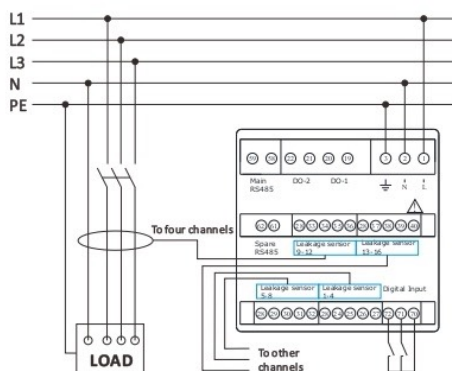
Energom-RCM-IV is a combined monitoring device for earthed power supply systems (TN-C-S, TN-S and TT) residual current. It provide max 16 monitor channels, panel mounting design suit for any electrical cabinet. LED screen display various parameters, easy for site engineer diagnosis and Insulation test

It can optionally be carried out by selected current transformer or temperature sensor for each channel detect parameter and alarm or trip threshold. Multiple Energom-RCM-IV can combination with circuit breaker for build MRCD applications, RS485 port can easy submit data to SCADA systems.

Features

- Continuous monitoring of residual currents
- Max 16 measuring channels for residual current or temperature input
- History memory with date and time stamp for 100 event data records
- Backlit graphical display (7-segment display) and indicate LEDs
- Two alarm relays, free to set alarm or trip logic
- Built-in buzzer provide sound notice when alarm triggered
- Password protection for device setting

Typical wiring



Technical characteristics

Electrical Characteristics	
Power supply	85~265Vac/dc
Consumption	<5VA
Residual current accuracy	1%
Temperature accuracy	±2°C
Data refresh rate	1sec
Binary inputs	Passive node, isolation voltage 2000VAC
Relay output	AC 250V/5A or DC 30V/5A, 2500V optocoupler isolation
Comm port	RS485 Modbus-RTU protocol, baud rate up to 19200bps
Others	
Physical dimension	96*96*75mm (L*W*H)
Protection class	IP20
Weight	0.55kg
Working environment	-10~55°C
Measurement category	CAT-III, pollution grade 2
Insulation capacity	> AC 2kV signal - power - output
	IEC 61000-4-2, class III
	IEC 61000-4-3, class III
	IEC 61000-4-4, class IV
	IEC 61000-4-5, class IV
	IEC 61000-4-6, class III
	IEC 61000-4-8, class III
	IEC 61000-4-11, class III
Reference standard	

Ordering selection

- Energom-RCM-16IN** 16 Residual Current sensor
- Energom-RCM-8IN8T** 8 Residual Current sensor, 8 Temperature sensor
- Energom-RCM-8IN** 8 Residual Current sensor, 8 Temperature sensor
- Energom-RCM-4IN4T** 4 Residual Current sensor, 4 Temperature sensor