

RGU-10

Electronic earth leakage relay with external transformer of the WG series



Compatible with **WGC** earth leakage transformers

Description

Electronic earth leakage protection relay of the WG series, connected to the external transformers of the **WG / WGC** series. Superimmunized type relay with high frequency currents filtering and high immunity. True RMS measurement (TRMS).

- Data shown on the display
- Features two independent programmable outputs (main and prealarm)
- External input for remote-control functions (230 Vac)

Applications

The **RGU-10** relays associated with **WG** transformers offer smart earth leakage protection. Their design features guarantee maximum security and electrical service continuity, avoiding unwanted tripping.

Viewing the instantaneous leakage value on the display, together with the prealarm indicators, makes it possible to obtain information on the status of lines to be protected, and to perform adequate preventive maintenance.

In addition, version **RGU-10 C** features RS-485 communications and, with the PowerStudio software, offers centralised supervision in real time, as well as keeping a log of historical data for future analysis.

Technical features

Protection	Class	A super-immunised
	Measurement	True root mean square (TRMS)
	Sensitivity	0.03...3 A 0.03...30 A (PROGRAMMING)
	Delay	Time defined: 0.02...10 s Inverse curve: Instantaneous or selective
	Earth leakage transformer	External, WG / WGC series
	Test and reset	With built-in buttons, T & R
	Remote control	External test option
	Associated circuit breaker	Contact or circuit breaker + trigger coil
	LED indicators	Power supply voltage Leakage trip Disconnection of external transformer Prealarm
	Display	Trip current (red display when tripped) Parameter programming Instantaneous leakage current Disconnection of external transformer
	Remote signaling	Prealarm Display of parameters via RS-485 communication (RGU-10 C)
	Circuit breaker control	Via an NO/NC switched relay, depending on the connection with the circuit breaker
	Electrical features	Auxiliary power supply
Output contacts		250 Vac, 6 A
Operating temperature		-10 °C...+50 °C
Mechanical features	Attachment	DIN 46277 rail (EN 50022)
	Dimensions	3 modules
	Weight	236 g
	Protection degree	IP 20 on terminals, IP 41 on back panel
Standards	IEC 60947-2, IEC 60755, IEC 61008, IEC 62020	

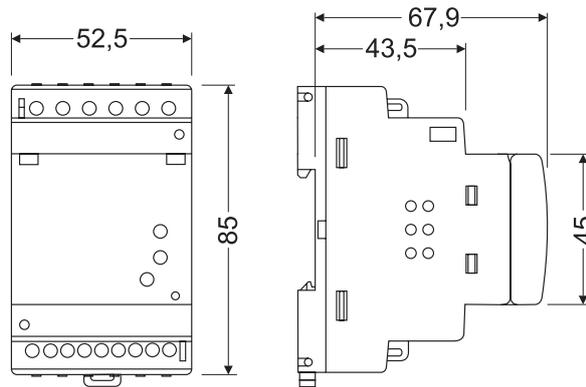
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References

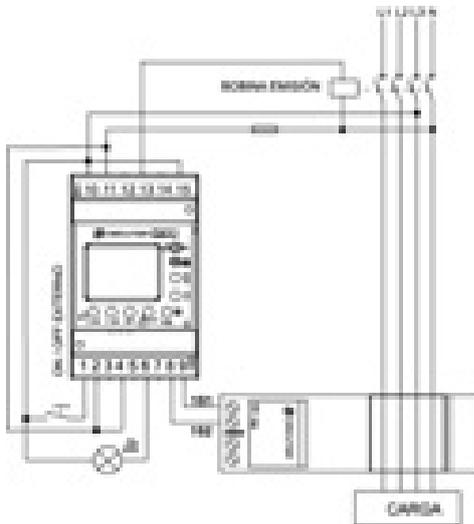
Type	Code	Communications	I_n	Delay
RGU-10	P11941	-	0,03...3 A 0,03...30 A (Programming)	0,02...10 s, INS, SEL
RGU-10C	P11944	RS-485 Modbus/RTU	0,03...3 A 0,03...30 A (Programming)	0,02...10 s, INS, SEL

Dimensions



Connections

Shunt coil



Undervoltage coil

