

WG Series

RGU-10 / **RGU-10 C**

Electronic earth leakage relay with external transformer of the WG Series



Description

Electronic earth leakage protection relay, used to connect to the earth leakage transformers **WG** Series

- Superimmunized Type A relay with high frequency current filtering and high immunity
- Monitoring of the true root mean square (TRMS)
- Display of data on the screen Two independent programmable outputs (main and pre-alarm)
- External input for remote control functions (230 Vac).

Application

The **RGU-10** relays associated to the transformers of the **WG** series allow an smart earth leakage protection. Their design features guarantee maximum security and continuity of the electrical service, avoiding unwanted tripping.

Showing the value of the leak instantaneously on the display with the pre-alarm indications provides the information about the state of lines being protected, thus allowing the implementation of an adequate preventive maintenance approach.

In addition, version **RGU-10 C** with RS-485 communications is used with the **Power Studio** software, which allows the centralised supervision of the system in real time, with a record log that can be analysed later on.

Features

Protection	
Class	A superimmunized
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, TRANSFORMERS WG
Test and Reset	With built-in buttons, T & R
Remote Control	External Test Option
Associated circuit breaker	Contact or Circuit breaker + trigger coil
LED indicator	<ul style="list-style-type: none"> • Power supply voltage • Trip due to leakage • Disconnection of the external transformer • Pre-alarm
Display View	<ul style="list-style-type: none"> • Current trip (red display when triggered) • Programming parameters • Instantaneous leakage current • Disconnection of the external transformer
Remote signaling	<ul style="list-style-type: none"> • Pre-alarm • Display of parameters with RS-485 communications (RGU-10 C)
Circuit breaker control	Through an NO/NC switched relay, depending on the connection with the circuit breaker
Features	
Auxiliary power supply	230 Vac (± 20 %) 50 / 60 Hz (other values on demand)
Output contacts	250 Vac, 6 A
Operating temperature	-10 ... +50 °C
Construction features	
Fixing	DIN Rail 46277 (EN 50022)
Dimensions	3 modules
Weight	236 g
Degree of protection	IP 20 Terminals, IP 41 back panel
Standards	
IEC 61008-1, IEC 755, IEC 255-5	

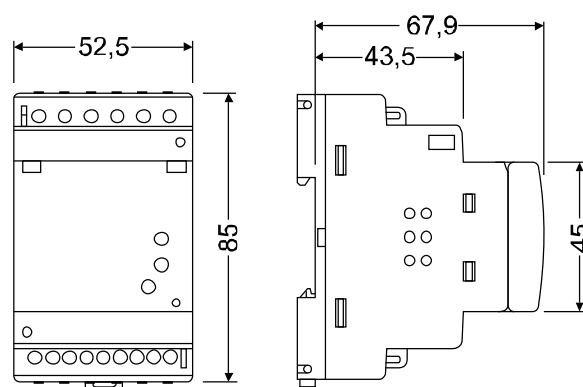
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Dimensions

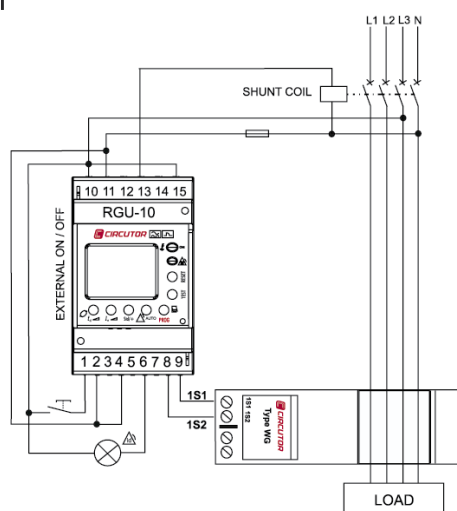


References

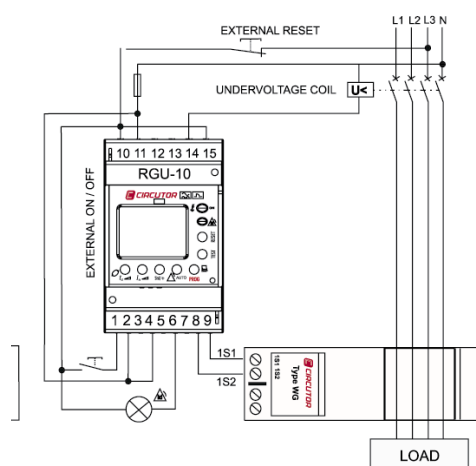
Size	Communications	I_n (A)	Delay	Type	Code
3 modules	-	0.03 ... 3 A 0.03 ... 30 A (PROGRAMMING)	0.02...10 s, INS, SEL	RGU-10	P11941
3 modules	RS-485	0.03 ... 3 A 0.03 ... 30 A (PROGRAMMING)	0.02...10 s, INS, SEL	RGU-10 C	P11944

Connections

Shunt coil



Undervoltage coil



למידע נוסף



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