

# 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. Relé tipo A superinmunizado, con filtrado de corrientes de alta frecuencia y alta inmunidad. Medida en verdadero valor eficaz (TRMS).

- Visualización de datos por display
- Dispone de dos salidas programables independientes (principal y prealarma)
- Entrada externa para funciones de telemando (230 Vc.a.)

### 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.

### Características técnicas

<b>Protection</b>	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, <b>WG / WGC series</b>
	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
	<b>Electrical features</b>	Auxiliary power supply
Output contacts		250 Vac, 6 A
Operating temperature		-10 °C...+50 °C
<b>Mechanical features</b>	Attachment	<b>DIN 46277 rail (EN 50022)</b>
	Dimensions	3 modules
	Weight	236 g
	Protection degree	IP 20 on terminals, IP 41 on back panel
<b>Standards</b>	<b>IEC 60947-2, IEC 60755, IEC 61008, IEC 62020</b>	

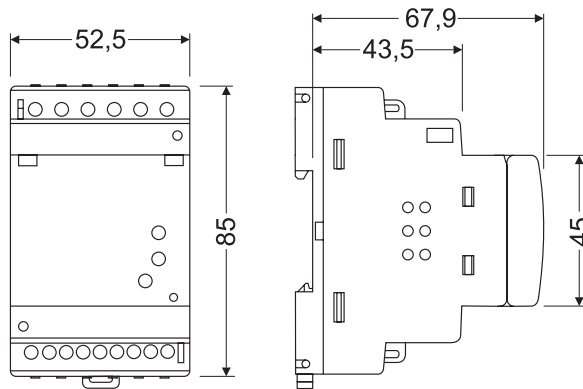
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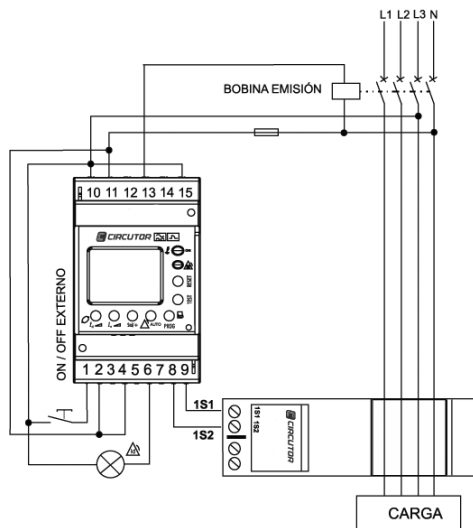
Type	Code	Communications	$I_n$	Delay
RGU-10	P11941	-	0,03...3 A 0,03...30 A (Programming)	0,02...10 s, INS, SEL
RGU-10C	P11944	RS-485 Modbus/RTU	0,03...3 A 0,03...30 A (Programming)	0,02...10 s, INS, SEL

### Dimensions



### Connections

Shunt coil



Undervoltage coil

