

RGU-2

Electronic relay for earth leakage protection and monitoring



Compatible with
WGC earth leakage
transformers

Description

Electronic industrial earth leakage protection relay, compatible with the **WGC** series protection transformers.

Ultra-immunised type-A relay, with high-frequency current filtering and high immunity. True root mean square (TRMS) measure.

- Programmable with backlit LCD display:
 - Sensitivity and trip time
 - Output contact status.
 - Protection status messages.
 - Real-time level of leakage.
- LED bar showing the percentage leakage current measured by the unit.
- Features two independent programmable outputs (main and prealarm / relay fault).
- Assembly on **DIN 46277** rail (**EN 50022**), 2 modules.
- Locking the programming menu with the keyboard or by sealing the PROG button.
- **RCM** and **MRCD** in the same unit (see connections)

Applications

The **RGU-2** relays associated with **WGC** transformers offer smart and robust earth leakage protection against all types of unwanted tripping. Since these earth leakage relays only take up 2 modules of space, include an LCD display, a bar LED and are fully programmable, they are essential for protecting people and for preventive maintenance of the installations.

Technical features

Protection	Class	Ultra-immunised A
	Measurement	True root mean square (TRMS)
	Sensitivity, $I_{\Delta n}$	0.03...5 A (Programming)
	Delay, t_{Δ}	Time defined: 0.01...5 s Inverse curve: Instantaneous or selective
	Earth leakage transformer	External, WGC series
	Test and reset	With built-in buttons, T & R
	Remote control	Remote test and reset possible
	Associated circuit breaker	Contactors or circuit breaker + trigger coil
	LED indicators	Power supply voltage
		Leakage trip
		Prealarm, via an LED bar
	Display	Disconnection of external transformer
		Trip current (red display)
		Programming
Electrical features	Remote signaling	Instantaneous leakage current
	Controlling the circuit breaker	Disconnection of external transformer
		Prealarm
		Unit malfunction
	Auxiliary power supply	Unit power supply fault
		Via an NO/NC switched relay, depending on the connection with the circuit breaker
		230 Vac (20%) 50 / 60 Hz
	Output contacts	250 Vac, 6 A
	Operating temperature	-10 °C...+50 °C
	Attachment	DIN 46277 rail (EN 50022)
Mechanical features	Dimensions	2 modules
	Weight	150 g
	Protection degree	IP 40
Standards	IEC 60755, IEC 60947-2, annex M, IEC 62020	

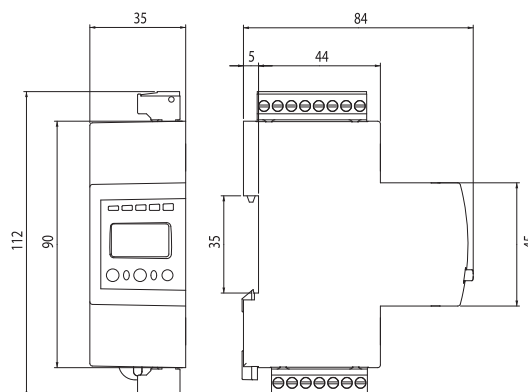
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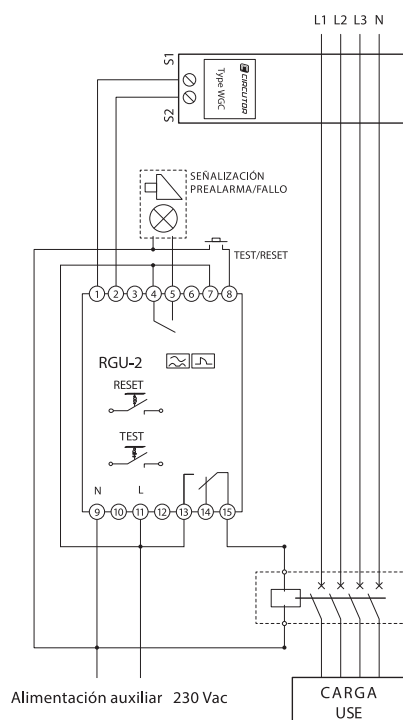
References

Type	Code	Size	I_n (A)	Delay
RGU-2	P11A61	2 modules	0,03...5 A	0,1...5 s, INS, SEL

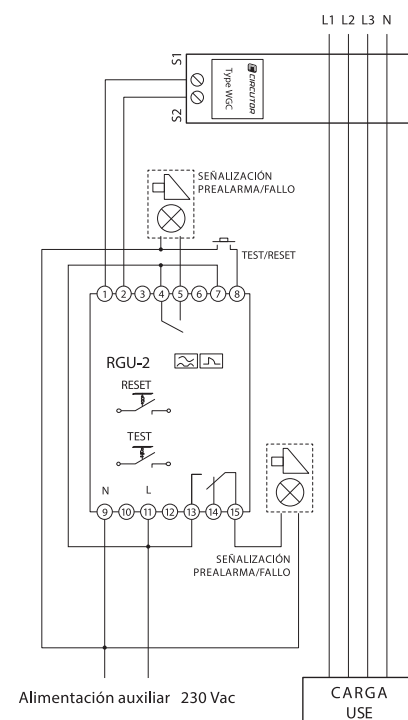
Dimensions



Connections



Connection diagram as a modular earth leakage current relay (**MRCD**)



Connection diagram as a earth leakage current monitoring relay (**RCM**)