

RGU-2

Electronic monitoring and earth leakage protection relay with display



Compatible with
WGC earth leakage
transformers

Description

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

- Type A ultraimmunised relay with high frequency current filtering and high immunity. True root mean square measurement (TRMS).
- Programmable with backlit LCD display:
 - Sensitivity and trip time
 - Output contact status.
 - Protection status messages.
 - Real time level of leakage.
- LED bars that show the percentage leakage current measured by the unit.
- Two independent programmable outputs (main and prealarm / relay fault).
- Assembly on DIN rail 46277 (**EN-50022**).
- Locking the programming menu with the keyboard or sealing the PROG button.
- RCM and MRCD in the same unit
- 2 modules

Applications

The **RGU-2** relays associated with **WGC** transformers can achieve a smart and robust earth leakage protection against any type of unwanted tripping. These relays only require a 2 module space that includes an LCD display, bar LED and they must be fully programmable. Therefore, this makes earth leakage relays essential to protect persons and during the preventive maintenance of installations.

Technical features

Protection	Class	Ultraimmunised 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 options
	Associated circuit breaker	Contact or circuit breaker + trigger coil
	LED indicator	Power supply voltage Leakage trip Prealarm, shown on a LED bar Disconnection of external transformer
	Display	Trip current (Red Display) Programming Instantaneous leakage current Disconnection of external transformer
	Remote signaling	Prealarm Unit malfunction Unit power supply fault
	Control of the circuit breaker	Through a NO/NC switched relay, depending on the connection with the circuit breaker
Electrical features	Auxiliary power supply	230 Vac (20%) 50/60 Hz
	Output contacts	250 Vac, 6 A
	Operating temperature	-10...+50 °C
	Attachment	DIN Rail 46277 (EN 50022)
Mechanical features	Dimensions	2 modules
	Weight	150 g
	Protection degree	IP 40
Standards	IEC 60755, IEC 60947-2, appendix M, IEC 62020	

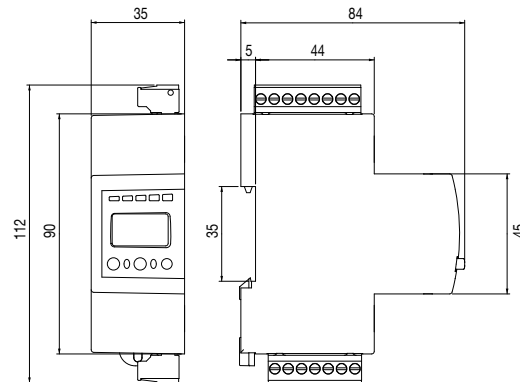
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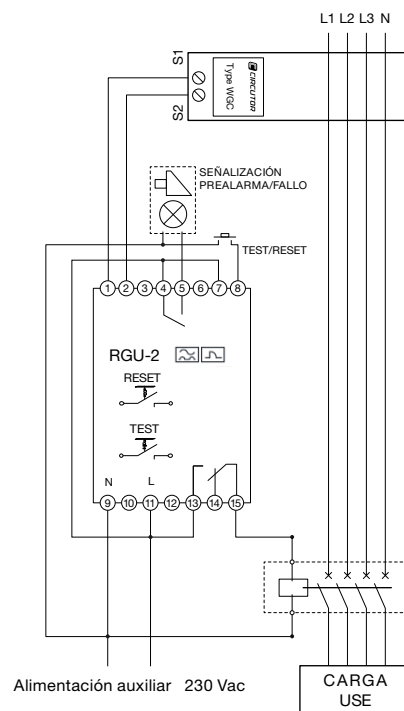
References

Size	I_n (A)	Delay	Type	Code
2 modules	0.03 to 5 A	0.1...5 s, INS, SEL	RGU-2	P11A61

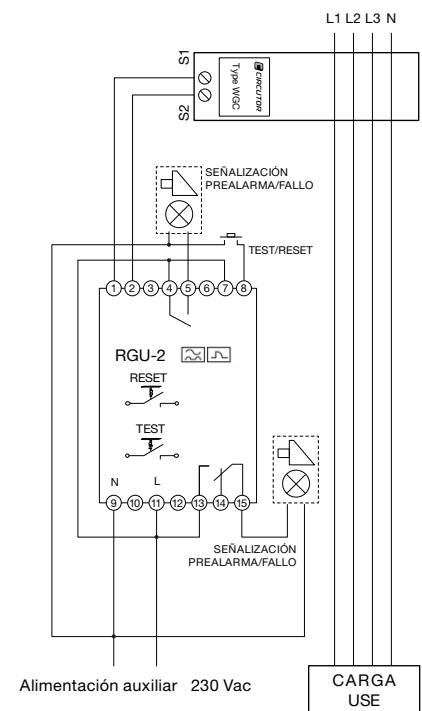
Dimensions



Connections



Connection diagram of the modular earth leakage current relay (MRCD)



Connection diagram of the earth leakage current monitoring relay (RCM)