

# 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

<b>Protection</b>	Class	Ultra-immunised A
	Measurement	True root mean square (TRMS)
	Sensitivity, $I_{\Delta n}$	0.03...5 A (Programming)
	Delay, $t_{\Delta}$	Time defined: 0.01...5 s Inverse curve: Instantaneous or selective
	Earth leakage transformer	External, <b>WGC</b> series
	Test and reset	With built-in buttons, T & R
	Remote control	Remote test and reset possible
	Associated circuit breaker	Contact or circuit breaker + trigger coil
	LED indicators	Power supply voltage Leakage trip Prealarm, via an 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
	Controlling the circuit breaker	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	DIN 46277 rail ( <b>EN 50022</b> )
	Dimensions	2 modules
	Weight	150 g
	Protection degree	IP 40
<b>Standards</b>	<b>IEC 60755, IEC 60947-2, annex M, IEC 62020</b>	

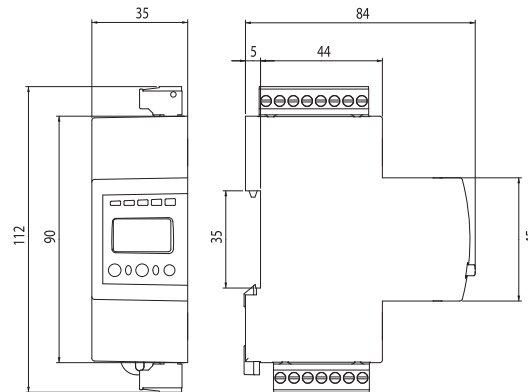
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### References

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

### Dimensions



### Connections

