

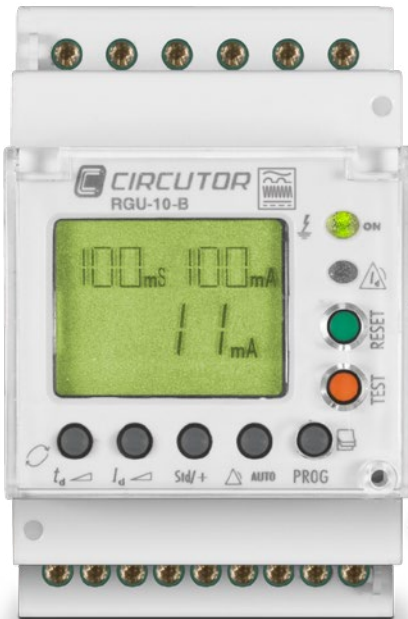


Protection and Control

RGU-10B

Electronic earth leakage protection and monitoring relay Type B

Full protection and monitoring within your reach



Technology for energy efficiency



Universal earth leakage
current protection and
monitoring (type B)



Preventive control



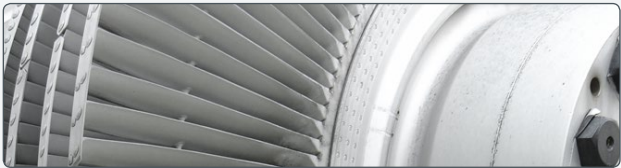
Easy leakage diagnostics

Application

For monitoring and controlling:



Computer units (UPS)



Speed drives



Photovoltaic installations



Electric vehicles

Electronic earth leakage monitoring and protection relay for type B applications

Universal earth leakage protection and monitoring relay (AC and/or DC leaks) with LCD screen that displays instantaneous leakage current with a **WGC-TB** earth leakage transformer. Enables the possibility of remote signaling with outputs by potential free contacts.

Prevents possible earth leakage protection triggers in any installation that may have important current leakages with a DC component (**IEC 60755**). Apt for single-phase or three-phase installations with or without a neutral.



Only 3 modules

Saves space in the electric panel with its reduced size. Assembly on DIN Rail.

Correct



Trip



Instantaneous display

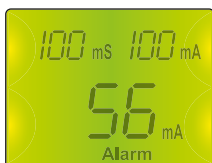
LCD display that enables quick viewing of the mean leakage current. Incorporates illuminated status change for instantaneous detection of the status of the installation.

Preventive maintenance

Alarm or prealarm relay for indicating events



Correct



Prealarm



Trip

Type B universal

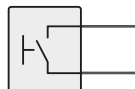
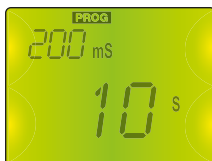
Apt for AC and/or DC leakage installations

Programmable

Programmable relay for:
Sensitivity: 100 mA ... 3 A
Delay: 0.1 s ... 10 s

External Test/Reset

Connection/Disconnection
capacity by external input



RCM*

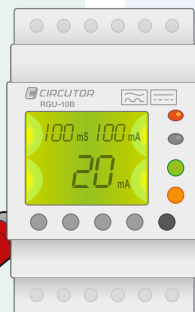
Earth leakage
monitoring

&

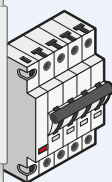
MRCD*

Earth leakage
protection

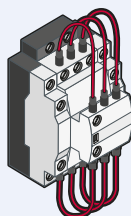
Audible and
visual alarms



Components associated
with the MRCD function:



MCB +
trigger coil



Contacteur

*Residual Current Monitoring

*Modular Residual Current Device

Full range of earth leakage transformers



Leakage currents:

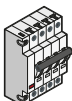
- ✓ Sinusoidal
- ✓ Rectified
- ✓ Up to 1 kHz
- ✓ Direct



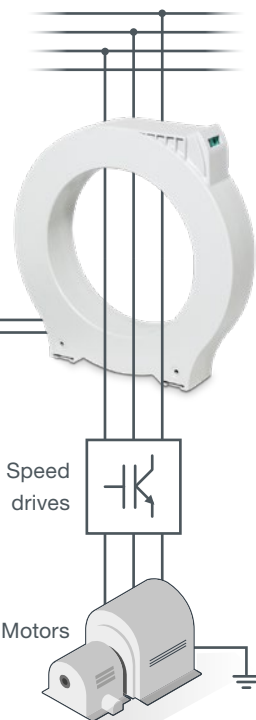
50-100% $I_{\Delta N}$
Prealarm



$I_{\Delta N}$
Alarm



MCB



Speed drives

Motors

Standard

IEC 62020, IEC 60755, IEC 60947-2 (annex M)

Technical features

Monitoring	Class	B (IEC 60755)
	Sensitivity, $I_{\Delta n}$	0.1 ... 3 A
	Delay, t_{Δ}	0.1 ... 10 s
	Earth leakage transformer	External, WGC TB series
	Test and Reset	Using buttons T and R
	Remote control	Remote Test and Reset ready
Electrical features	Auxiliary power supply	230 Vac \pm 20% 50/60 Hz, 6 VA
	Output contacts	250 Vac, 6 A
	Operating temperature	-10...+50 °C
Mechanical features	Attachment	DIN Rail 46277 (EN 50022)
	Dimensions	3 modules
	Weight	256 g
	Protection degree	IP 20 terminals, IP 41 cross-grid
Standards	IEC 62020, IEC 60755, IEC 60947-2 (annex M)	

References

Type	Code	Sensitivity, $I_{\Delta n}$	Delay, t_{Δ}
RGU-10B	P11951	0.1 ... 3 A	0.1 s ... 10 s



Associated Transformers

Type	Code	Useful section	$I_{\Delta n}$ minimum	Weight (g)
WGS-20-TB	P11731	Ø 20 mm	0,1	80
WGC-25-TB	P11751	Ø 25 mm	0,1	86
WGC-35-TB	P11752	Ø 35 mm	0,1	126
WGC-55-TB	P11753	Ø 55 mm	0,3	180
WGC-80-TB	P11755	Ø 80 mm	0,5	321
WGC-110-TB	P11756	Ø 110 mm	0,5	440
WGC-140-TB	P11757	Ø 140 mm	0,5	790
WGC-180-TB	P11758	Ø 180 mm	0,5	1530

www.circuitor.com

CIRCUTOR, SA - Vial Sant Jordi, s/n
 08232 Viladecavalls (Barcelona) Spain
 Tel. (+34) 93 745 29 00 - Fax: (+34) 93 745 29 14
central@circuitor.es

