

PROTECTION AND CONTROL

RGMD-TB

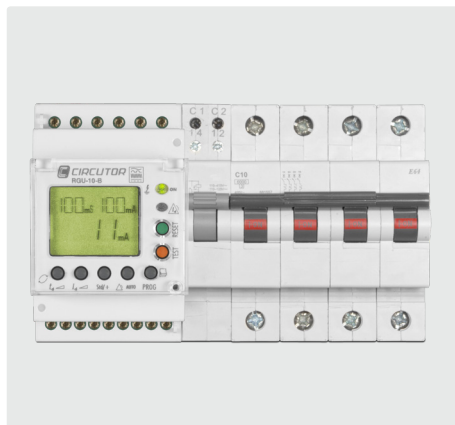
Earth leakage and circuit breaker
protection unit, Type B

RGMD-TB

Earth leakage and circuit breaker protection unit, Type B

Receivers increasingly incorporate rectifiers, allowing for a functioning suited to your needs and in pure DC current.

They avoid malfunctions and ensure earth leakage and circuit breaker protection up to 63 A in all installations where there is DC leakage (according to IEC 60755) in loads, such as variable frequency drives, UPS, inverters, electric vehicles, etc.



Universal Type-B

Suitable for installations (AC and/or DC leakage)

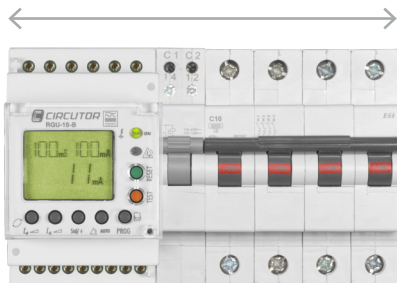
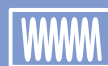
Leakage:

☒ Sinusoidal

☒ Pulsed

☒ Up to 1kHz

☒ DC



Only 8 modules

Save space in electrical panels thanks to its compact design for assembly on DIN Rail.



Earth leakage and circuit breaker protection, Type-B

Protects the receiver against overcurrent and short circuits as well as type-B leakage currents.



Easy leakage diagnosis

Use the LCD Display to view the instantaneous leakage current up to the selected trip level, after which it displays a luminous indication.



Preventive Control

Set alarms or prealarms to control events before a fault triggers the earth leakage device.



Adjustable

Provides the possibility of adjusting earth leakage from 100 mA to 3 A, as well as the trip delay from 100 ms to 10 s.

Outstanding features



Instantaneous display

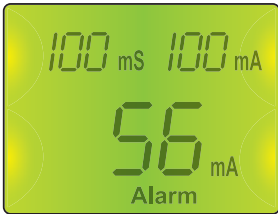
LCD display that provides a quick view of the average leakage current. Incorporates a luminous status change that enables detecting the status of the installation instantaneously.

Preventive maintenance

Alarm or prealarm relay to indicate events.



Correct



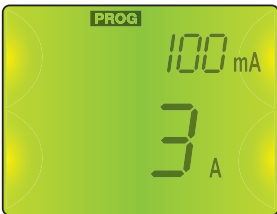
Prealarm



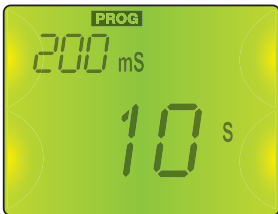
Trip

Configurable

Relay configurable to:



Sensitivity: 100 mA... 3 A



Delay: 0.1 s... 10 s

Applications

Computer Equipment (UPS)



Variable Speed Drives



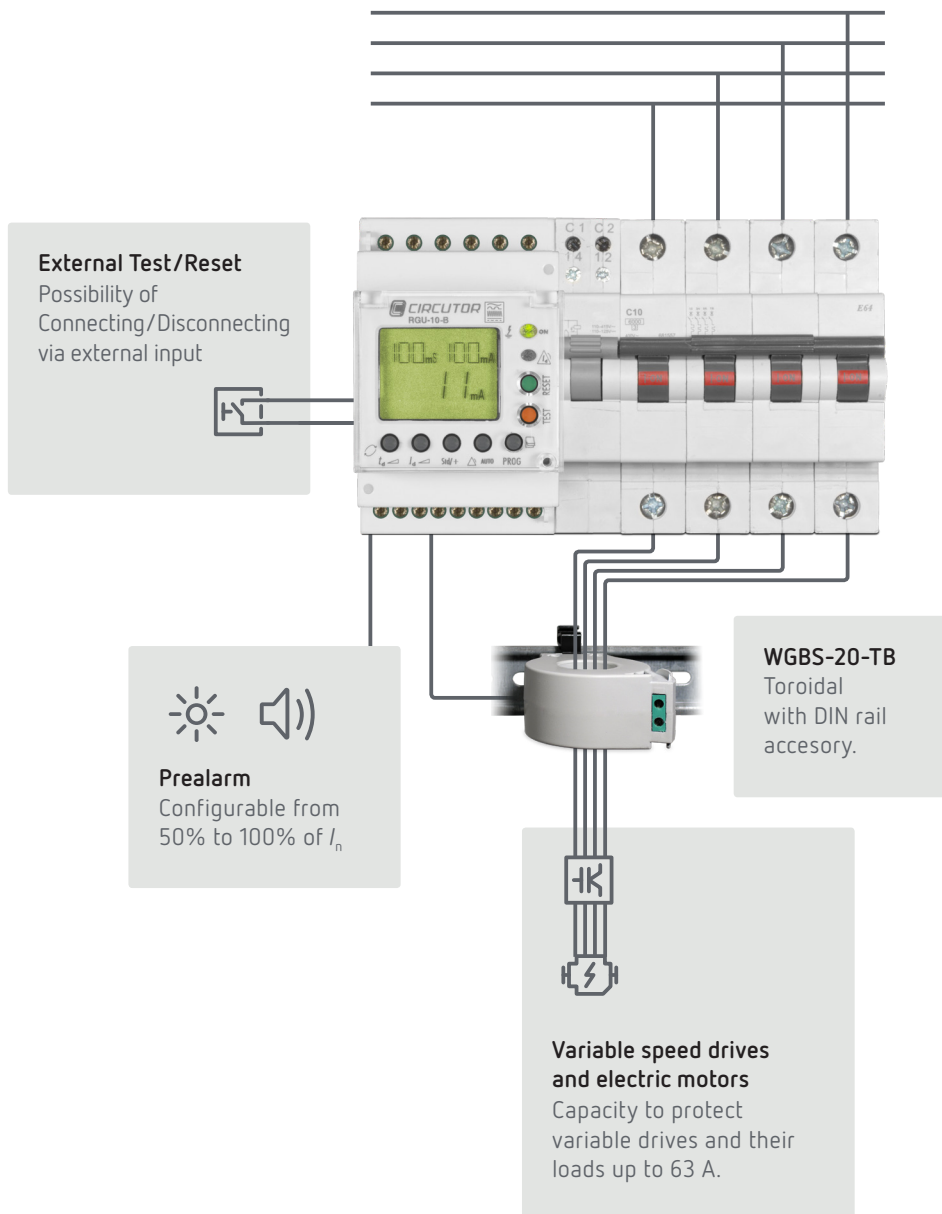
Photovoltaic Installations



Electric Vehicles



Installation elements



Technical specifications

Features	Description
Earth leakage protection	Type B (IEC-60947 annex M)
Sensitivity, $I\Delta$	0.1 A; 0.3 A; 0.5 A; 1 and 3 A
Trip delay, $t\Delta$ (s)	0.1-0.2-0.3-0.4-0.5-0.75-1-5-10 s
Associated control element	Emission trigger coil 230 Vac
Associated sensor element	Earth leakage transformer WGS-20-TB
Circuit breaker protection	Built-in circuit breaker
Current, I_n	16-25-32-40-63 A
Rated voltage, U_n	240/415 Vac
Trip curve	C (ask for other options)
Cut off power I_{sc}	6 kA or 10 kA
Auxiliary power supply	230 Vac \pm 20% 50/60 Hz, 6 VA
Output contacts	250 Vac, 6 A
Protection degree	Terminals IP 20, back panel IP 41
Standards	IEC 60947-2 annex M

References

Code	Type	Current, I_n	Cut off power, I_{sc}
P15001.	RGMD-TB-4-16	16 A	6 kA
P15011.	RGMD-TB-4-16	16 A	10 kA
P15002.	RGMD-TB-4-20	20 A	6 kA
P15012.	RGMD-TB-4-20	20 A	10 kA
P15003.	RGMD-TB-4-25	25 A	6 kA
P15013.	RGMD-TB-4-25	25 A	10 kA
P15004.	RGMD-TB-4-32	32 A	6 kA
P15014.	RGMD-TB-4-32	32 A	10 kA
P15005.	RGMD-TB-4-40	40 A	6 kA
P15015.	RGMD-TB-4-40	40 A	10 kA
P15006.	RGMD-TB-4-63	63 A	6 kA
P15016.	RGMD-TB-4-63	63 A	10 kA

Built-in RGU-10B, toroidal earth leakage relay and circuit breaker with coil, C-curve, 6 kA (En 60898) or 10 kA (IEC 60947-2)



Vial Sant Jordi, s/n
08232 Viladecavalls
Barcelona (Spain)
Tel: +34. 93 745 29 00
info@circutor.com

CIRCUTOR, SA reserves the right to modify
any information contained in this catalogue.