

# Service interruption solutions

## RCM Residual Current Monitoring system

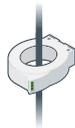
Avoid service interruptions that generate high costs



# Avoid service interruptions that generate high costs

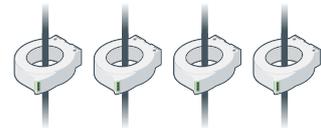


Unexpected but avoidable stops or interruptions, related to an interruption in the electric supply, result in high financial losses. **CIRCUTOR's RGU-10/CBS-4** is an RCM (leakage control) and ultra immunised type A earth leakage protection system, that offers the following advantages.



## RGU-10

Leakage control system and earth leakage protection relay installed on **1 line**



## CBS-4

Leakage control system and earth leakage protection relay installed on **4 lines**

## What does **CIRCUTOR'S RCM** system offer?



### Prevents financial losses, improves competitiveness

A loss of production, data, services or any other process that is critical to your activity can result in high financial losses. **RGU-10/CBS-4** not only prevents financial losses associated with an interruption in the electric supply but also the resulting lack of competitiveness.



### Avoids the risk of fire

Detects and controls leakage currents before there is a risk of fire.



### Reduces maintenance costs

Prevents system malfunction and offers the possibility of executing corrective actions to prevent these problems from originating.



### Eliminates unwanted tripping caused by false readings

Eliminates unwanted tripping caused by false leakage current readings, as a result of harmonic currents or other transients, generated during grid operations.



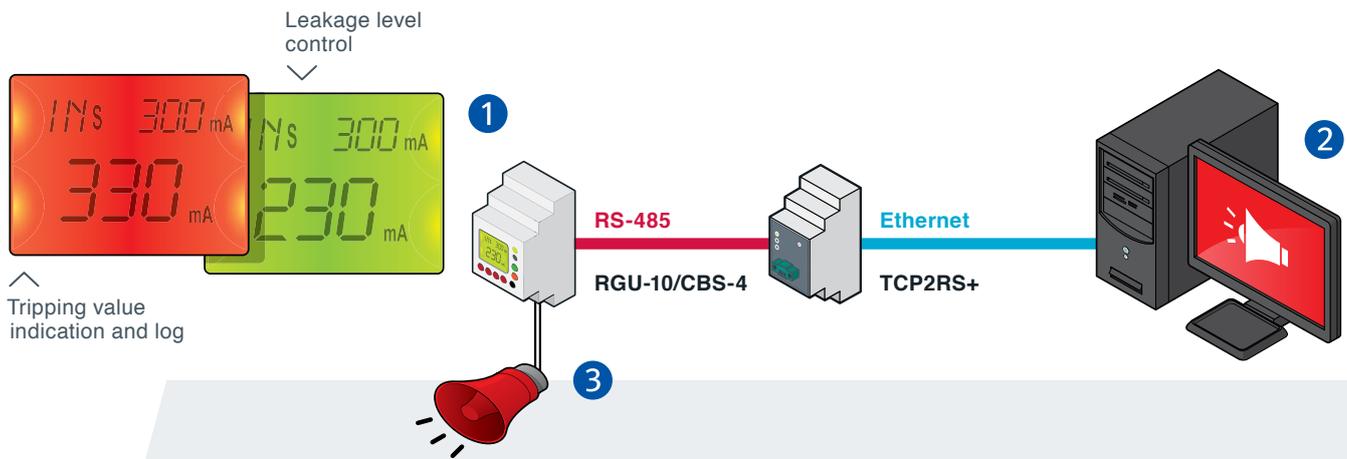
### Guarantees the safety of persons

**RGU-10** guarantees system stability and thus the safety of persons as its main purpose.

# How is the electric installation's safety and stability achieved?

## → By providing information before disconnecting the system

Traditional earth leakage protection systems cause the unexpected disconnection of the system. However, **CIRCUTOR's** RCM system permanently monitors the installation's level of leakage, providing information through its display or communications channel, in order to implement preventive actions that guarantee the safety and stability of the system, preventing high financial losses and with only minimum investment, with very short amortization periods.



1

### Display

The unit's display shows information about the installation's leakage in real time, with an incident alert that changes the alert LED's colour.

2

### Communications

The RS-485 communications channel can be used to remotely control and manage the level of leakage and send a query to **RGU-10/CBS-4** from **PowerStudio** or any other market application. The system uses the Modbus/RTU (RS-485) or Modbus/TCP (Ethernet) protocol.

3

### Prealarm relay

The unit has a prealarm relay that can assign a maximum leakage value and alarm system.



**PowerStudio**  
Remote indication of leakage level

### Alert system via the unit's communications system



# Solutions for service interruptions

## RCM Leakage control system

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