



CDR-8

CDR-8

Code: P32111. DESCATALOGADO

> 8 current relays station, display, RS-485 communications. Measurement range 0,03 to 63 A

Description

The **CDR-8** unit measures, calculates and displays the current of 8 independent channels. Each channel can be configured as an earth leakage or current relay. It measures the true root mean square, taking decisions about the operations being carried out. It can work as a maximum or minimum current relay or as an earth leakage relay. The **CDR-8** can show the earth leakage current and status of the operations relay of each of the 8 channels on an LCD display.

The device comprises :

- 8 input channels: Measurement using WG and/or WGP series transformer.
- 8 operation relay outputs (1 per channel)
- 1 alarm relay
- Operation logging recording
- RS-485 PC communication
- Auto-reset programming option (on RS-485 differential channels)
- RS-485 PC communication The "PowerStudio" PC software enables you to display, record, create graphs and logs, etc.

Application

This unit can be used to measure and control the current of up to 8 lines, with a set of reduced dimensions.



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Current relay station

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Specifications

AC power supply

Consumption	4 VA
Frequency	50 / 60 Hz
Nominal voltage	230 V~ (-15 ... +15%)

Mechanical characteristics

Size (mm) width x height x depth	140 x 110 x 70 (mm)
Envelope	Self-extinguishing plastic
Fastening	DIN 46277 (EN 50022)
Weight (kg)	0,7

Environmental characteristics

Protection class	IP 20 (terminals), IP 41 (front)
Relative humidity (without condensation)	5 ... 95 %
Working temperature	-10 ... +50 °C

Standards

Electrical safety, Maximum height (m)	2000
Electrical safety, Installation category	CAT III 300 V (IEC 61010)
Standards	IEC 1008, IEC 1010, IEC 60255-5, UNE 20801-2, UNE 20801-3, UNE 20801-4, UNE-EN 60730-1, IEC 61010

Electrical safety

Insulation	Class II
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User interface

LED	5
Keyboard	4 push button

Digital relay outputs

Type	NO/NC
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Measurement accuracy

Phase current measurement	5 % (Measurement condition: temperature +5 ... +45 °C)
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Differential protection

Delay time (t Δ)	0,10 - 0,4 - 0,8 - 1 - 3 - 5 - 10 s INS/SEL
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Protection



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Measure

True root mean square (TRMS)

Reclosure type

Reclosure number

Programmable 0 ... 10

Reset time

Double the time between reconnections

Reclosure time

Programmable Normal mode: 1 ... 900 s / Exponential mode: $t_{rec\ n+1} = t_{rec\ 2n}$

Measurement range 0.03 to 6.3 A with external transformer, model WGS/WG. Please contact us 0.3 to 63 A Measurement range with External transformer, model WGSP/WGP. Please contact us for more information