



CONSUMPTION

PRODUCT INFO

ELECTRICAL PARAMETERS

- Active Energy Measurement (consumption)

DIRECT MEASUREMENT

- Direct measurement of currents up to 80Aac (continuous overload value), without requiring external current transformers

INSTALLATION

- Panel's Background, 35 mm DIN Rail Fastening
- Technical support via e-mail, telephone, WhatsApp and YouTube videos

INTERFACES & READINGS

- Man Machine Interface (MMI) composed of an LCD display, allowing easy local reading
- Includes pulse output for remote reading of active energy, using wired connection to external device inputs (PLCs, mechanical counters, etc.)

FEATURES

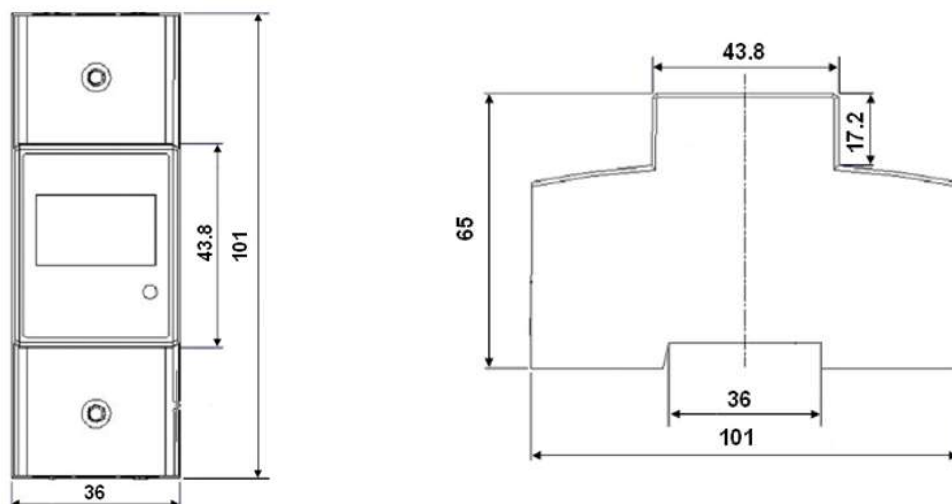
- The **DRS-210D** is an instrument conceived to measure electrical parameters such as energy consumption in single-phase AC systems.
- Measurement readings can be obtained locally (through an LCD display) or remotely, using a pulse output for communication. Includes indicative LEDs in the front panel for counting of energy pulses.
- With a very compact design and suited to Din rail fastening, **DRS-210D** is able to withstand direct measuring of loads up to 80Aac.

APPLICATIONS

- Submetering
- Analog instruments substitution in low cost submetering systems

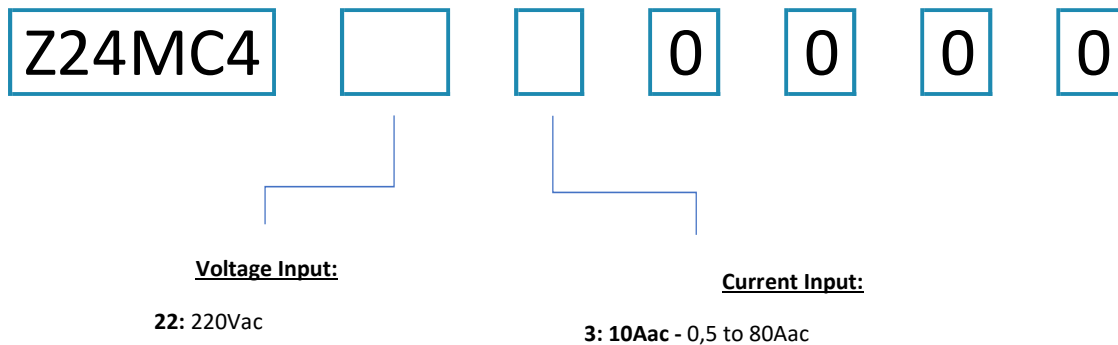
ELECTRICAL GREATNESSES	<i>Energy</i>	Positive Active Energy, in kWh (Consumption)
MEASUREMENTS AND INPUT INFO	<i>Connection Diagram</i>	Single-phase
	<i>Voltage – Working Range</i>	220Vac (Ph-Ph or Ph-N) Working Range: 70 to 130% of the nominal value
	<i>Nominal Current</i>	10 Aac
	<i>Current - Working Range</i>	0.5 to 80Aac
	<i>Frecuency – Working Range</i>	50/60 Hz
	<i>Connection</i>	Terminal Blocks (IP-20)
	<i>Input Width</i>	8.5 mm
ACCURACY at 25°C (77 °F), referred to the full scale	<i>Internal Consumption</i>	< 10VA
	<i>Energy</i>	1%
PULSE OUTPUT	<i>Electrical Quantity</i>	Positive Active Energy (Consumption)
	<i>Type</i>	Open Collector Voltage (external power source): 5 to 27Vc.c. Pulse width: 80ms ± 20ms Max. Current: 27mA Max. Frequency: 10 Hz
DISPLAY	<i>Pulse rate (fixed)</i>	1 pulse/1Wh
	<i>LCD (blue)</i>	1 line x 6 columns Value representation: 5 digits for whole numbers, 1 for decimal
CASE	<i>Material</i>	Thermoplastic
	<i>Mass</i>	0.2kg
	<i>Protection Degree</i>	IP-51 (case) and IP-20 (electrical connections)
ENVIRONMENTAL CONDITIONS	<i>Temperature</i>	Operation: -10 to 50°C (14 to 122°F) Storage: - 30 to 70° C (-22 to 158°F)
	<i>Relative Air Humidity</i>	Maximum of 75% (without condensation)
	<i>Temperature Coefficient</i>	100ppm/°C
STANDARDS	<i>Electrical Parameters</i>	IEC 62053-21

DIMENSIONS



Dimensions in millimeters

How to Specify:



Standard Model: (Example)

Z24MC4 22 3 0 0 0 0

DRS-210D {Voltage Input: 220Vac} {Current Input: 10 Aac (0,5 to 80Aac)}

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For correct utilization of the product, the User Manual must be consulted before its installation or operation.
Some items presented here may be optional, being necessary the correct product specification by their code.

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