

## LM4A-2IO-M



LM4A-2IO-M, Impulse centraliser

Code: M31565. DESCATALOGADO

- > Protocol: Modbus/RTU
- > Analogue Inputs: 4 (0...20mA)
- > Módules: 4
- > Communications: RS-485
- > N° relays: 2
- > Digital inputs: 2

### Description

The LM4 is an digital and/or analogue signals centralizer (depending type).

The unit includes an RS- 485 communications bus with a Modbus/ RTU protocol, which allows real time control by communications. The unit is compatible with PowerStudio and PowerStudio SCADA control software.

Other features of LM4A-2IO-M:

- Telemanagement of the 2 digital outputs
- Supervision of the 2 digital inputs
- Monitoring of the 4 analogue inputs

### Application

Reading of any pulse-emitting meter (up to 4 devices). These parameters are useful for generating bills or for specifying a price/unit cost

- The outputs available on the device can control contacts (gas, water, steam, etc.), and sound and/or light devices to provide protection or alarms by using an internal relay.
- Detection of logical states for electrical switching or alarms that can control relays through software or modbus communications.



## LM4A-210-M

Impulse centralizing unit

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### Specifications

#### AC power supply

Consumption	3,5 VA
Frequency	47 ... 63 Hz
Nominal voltage	85...265 Vca / 120 ... 374 Vcc

#### Mechanical characteristics

Size (mm) width x height x depth	71 x 93 x 58 (mm)
Envelope	Plastic UL 94 - VO self-extinguishing
Fastening	DIN rail
Weight (kg)	0,133

#### Environmental characteristics

Protection class	IP 20
Relative humidity (without condensation)	5...95%
Working temperature	-10 ... +60 °C

#### Standards

Certifications	CE, UL, VDE
Electrical safety, Maximum height (m)	2000
Electrical safety, Installation category	CAT III 300V / 520V, IEC 61010
Standards	IEC 60664, VDE 0110, UL 94, EN-61010-1, EN 55011, EN 61000-4-3, EN 61000-4-11, EN 61000-6-4, EN 61000-4-2, EN 61000-6-2, EN 61000-6-1, EN 61000-6-3, EN 61000-4-5

#### Communication Network

Technology / Interface	Ethernet 10BaseT/100BaseTX auto-detecting
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#### Electrical safety

Insulation	Double-insulated electric shock protection class II (IEC 61010-1)
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#### Analogue inputs

Quantity	4
Input impedance	100 Ω
Nominal range	0 ... 20 mA
Measurement type	Current analog

#### Digital inputs

Quantity	2
Type	Free of optoisolated voltage



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Maximum short-circuit current	50 mA
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### Digital relay outputs

Quantity	2
Type	Relay
Maximum open contact voltage	250 V ~
Electrical life	$3 \times 10^4$ (250 Vca / 5 A)
Mechanical life	$2 \times 10^7$
Maximum switching capacity	750 VA

(\*) Digital inputs (logic 0 / 1) or energy impulses

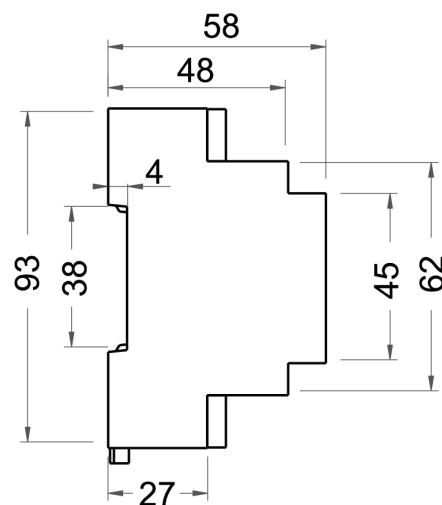
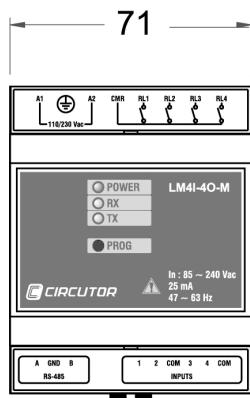


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### Dimensions



### Connections

