

Centralizador 4 entradas

LM 4A-2IO M

Impulse CENTRALIZING UNIT

Analogue and digital signals centralizer



Description

The **LM4A-2IO-M** is an analogue and digital signals centralizer. In only 4 DIN modules, the unit has 2 relay outputs and centralizes 4 analogue inputs from 0 ... 20 mA, 2 voltage-free digital input. 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 SCA-DA** control software.

Other features:

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

Application

- Reading any Impulse-emitting device (up to 4 units). These parameters are useful to generate receipts or define a price/unit cost
- Alarm central: the unit's outputs can act on contacts, sound and/or luminous devices to carry out a protection or warning operation with an internal relay.

Features

Power supply circuit	85 ... 265 Va.c. / 120 ... 374 Vd.c.
Consumption	4,6 ... 7,5 V·A
Frequency	47...63 Hz
Digital Inputs	2 (opto-insulated voltage-free)
Max. activation current	50 mA
Analogue Inputs	4
Input range	0 ... 20 mA
Transducer resolution	10 bits (1024 points)
Digital outputs (relay)	4 (5 A max.)
Max. operating power	750 V·A
Max. operating voltage	250 Va.c.
Max. switching current	Resistive load I: 5 Aa.c.
Electrical working life (250 Vc.a. / 5 A)	3 x 10 ⁴ operations
Mechanical working life	2 x 10 ⁷ operations
Environmental conditions	
Operating temperature	-10 ... +60 °C
Humedad relativa (sin condensación)	5 ... 95%
Características constructivas	
Tipo de caja	Plástico UL94-V0 autoextinguible
Communications	
Port	RS-485
Protocol	Modbus
Protection degree	IP 20
Dimensions	93 x 71 x 58 mm (4 DIN Rail modules)
Safety	
EN 61010 double-insulated electric shock protection class II	
Standards	
IEC60664, VDE0110, UL94, EN61010-1, EN55011, EN61000-4-3, EN61000-4-11, EN61000-6-4, EN61000-4-2, EN61000-6-2, EN61000-6-2, EN61000-6-1, EN61000-6-3, EN61000-4-5	

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CENTRALIZADOR DE IMPULSOS

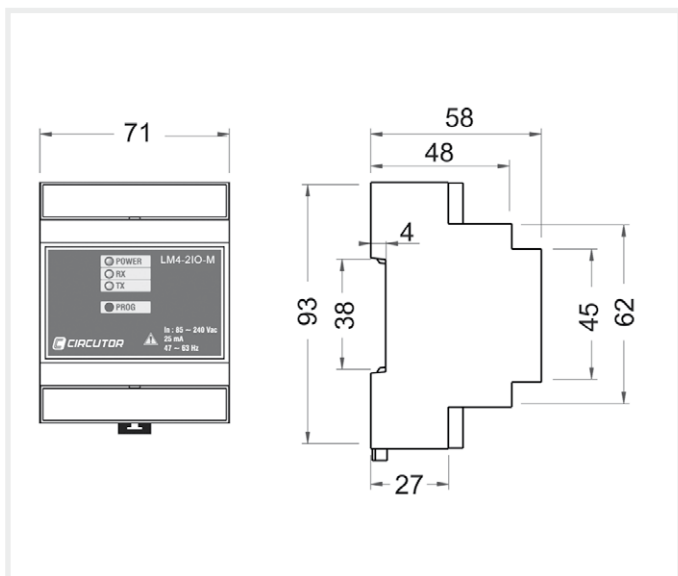
Centralizador de señales analógicas y digitales



References

Digital inputs	Analogue inputs	Digital outputs	Communication protocol MODBUS (RTU)	DIN modules	Type	Code
2	4	4	RS-485	4	LM 4A-2IO-M	M31565

Dimensions



Connections

