



## LM4I-40-M

LM4I-40-M, Impulse centraliser

Code: D90110.

- > Protocol: Modbus/RTU
- > Módulos: 4
- > Communications: RS-485
- > N° relays: 4
- > Digital inputs: 4

### 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.



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Impulse centralizing unit

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## Specifications

### AC power supply

Installation category	CAT III 300 / 520 Vac
Consumption	4,6 VA ac / 2,5 W
Frequency	47 ... 63 Hz
Nominal voltage	85...265 Vca / 120 ... 374 Vcc (+/- 15%)

### Mechanical characteristics

Size (mm) width x height x depth	71 x 93 x 58 (mm)
Envelope	Plastic UL 94 - V0 self-extinguishing
Fastening	DIN rail
Weight (kg)	0,141

### Environmental characteristics

Protection class	IP 31 (Front), IP 20 (unmounted)
Relative humidity (without condensation)	5...95%
Working temperature	-10 ... +50 °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

### Electrical safety

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

Quantity	4
Type	Free of optoisolated voltage
Minimum signal width	10 ms
Maximum short-circuit current	50 mA

### Digital relay outputs

Nominal current	5 A~ / 250 V~ (with resistive load)
Type	Relay
Nominal voltage	250 V ~
Electrical life	3 x 10 <sup>4</sup> (250 Vca / 5 A)



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Impulse centralizing unit

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**LM4I-40**  
Impulse and contact centralisers

CODE	TYPE
D90110.	LM4I-40-M

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



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## Dimensions

