

2 PT100/1000 inputs, 2 Digital inputs & 1 Power relay

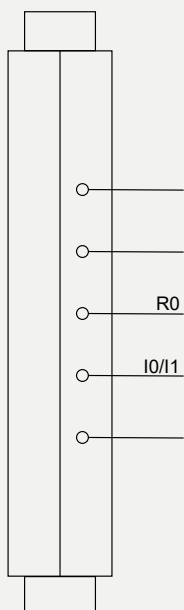
| eMOD Module

Main features

- ✓ Inputs ready to connect PT100 and PT1000 temperature probes, including 2, 3 and 4 wires versions
- ✓ Configure the digital inputs as dry or wet contact
- ✓ Input activation via external 0-24 VDC or internal ± 12 VDC power supply (for PNP or NPN sensors)
- ✓ Working modes: input, pulse counter and pulse width time counter. Pulse reading up to 1 ms

Description

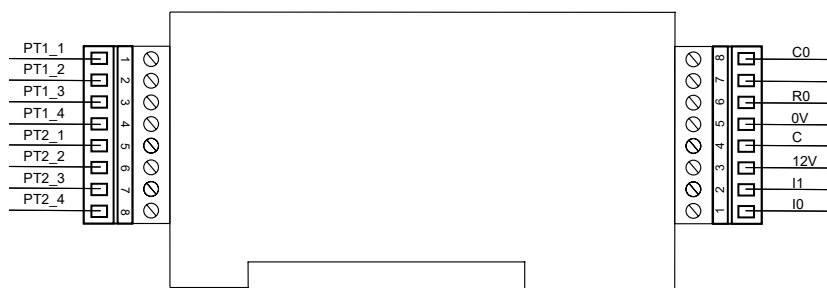
Module of 2 PT100/PT1000 probes inputs, 2 galvanically optoisolated 0-24 VDC digital inputs and 1 relay of 6A. PT100/1000 inputs are able to read probes of 2, 3 and 4 wires. Digital inputs can work as input reading, pulse counter or pulse width time counter. Each input can be activated via external 0-24 VDC or internal ± 12 VDC power supply. In addition, the module includes 1 relay of 6A for control applications.



LEDs

LED N°	Name	Description
R0	Relay 0	Activated: Blue Not activated: None
I0/I1	Input 0/1	Input 0 activated: Blue Input 1 activated: Green Input 0 and 1 activated: White

Connection diagram



2-wire probe:

- Connect probe to PTn_2 and PTn_3
- Jumper between PTn_1 and PTn_2
- Jumper between PTn_3 and PTn_4

3-wire probe:

- Connect 2 equal probe wires to PTn_3 and PTn_4
- The other wire to PTn_2
- Jumper between PTn_1 and PTn_2

4-wire probe:

- Connect 2 equal probe wires to PTn_1 and PTn_2
- The others wires connect to PTn_3 and PTn_4

Technical features

Category	Parameters	Value
Power circuit	Consumption	1 W (max.)
Environmental conditions	Operating temperature	-25...50 °C
	Relative humidity	5...95 %
	Maximum working altitude	2000 m
Mechanical characteristics	Enclosure material	UL 94 polycarbonate - Self-extinguishing VO
	Protection grade	IP20 (assembled)
	Dimensions (Width x High x Length)	17,5 x 88,5 x 48 mm (1 DIN rail module)
	Weight	70 g
	Mounting	DIN rail 46277 (EN 50022)
	Connectors	Pluggable terminals, max. wire section 1,5 mm ²
Electrical and safety features	Electric shock protection	Double insulation class II (assembled)
	Insulation	3 kVac
	Installation category	CAT III 300 V (assembled)
Temperature probe inputs	Number and type	2 inputs for PT100 and PT1000 probes
	Number of wires	2, 3 and 4 wires
Digital inputs	Type, number and voltage	2 galvanically optoisolated digital inputs 0-24 Vdc
	Min. and Max. voltage and current	0 Vcc / 160 µA ... 30 Vcc / 12 mA
	Input sensitivity	0-7 Vcc : 0; 8-30 Vcc : 1
	Minimum pulse duration	1 ms
	Counters	2 counters of 32 bits / Freq. max 250 Hz
Relay output	Type	NO
	Max. operating parameters	6 A, 250 VAC, cos=1, 70°C
User interface	LEDs	2 leds