

M1

- CONTROLLER / INDICATOR / TRANSMITTER
- WITH 1 OR 2 ALARMS



FEATURES	
DISPLAY	M1
Single	4 green digit, h 10 mm + 6 LEDs
INPUTS	
Universal	Thermocouples: L, J (0... 600°C/32... 1112°F), T (-200... 400/-328... 752°F), K (0...1200°C/32... 2192°F), S (0... 1600°C/32... 2912°F) + Thermoresistances PT100 (-200... 600°C/-328... 1112°F or -99.9... 300.0°C/-99.9... 572.9°F) connection with 2 or 3 wires + Linear signals: 0/10... 50 mV; 0/4...20 mA + Infrared sensors or special ranges (custom)
Accuracy	0.25% ±1 digit (for thermoelements); 0.1% ±1 digit (for mA and mV)
OUTPUTS	
Up to 4	OUT 1: Relay SPST-NO 2A/250Vac-AC1 / Triac 1A/250Vac-AC1 OUT 2 + OUT 3: 5Vdc 30mA max., ± 10% (not isolated) to drive SSR / Relay SPST-NO (2A/250Vac-AC1) OUT 4 (opt.): Measuring or Set Point retransmission, current: 0/4... 20mA 750Ω/15V max. (as alternative to RS485)
Auxiliary power supply	+18Vdc ±20%, 30mA max. for external transmitter
FUNCTIONAL	
Control	ON/OFF or PID single action
PID functions	PID control with cycle time and overshoot control, 2 Autotuning algorithms
Signal retransmission	Measuring or Set Point retransmission
Serial communication (as alternative to retransmission output)	Isolated RS485 with ModBus-RTU (JBUS) protocol, with 2 wires
Baud rate	1200... 9600 baud, programmable
GENERAL	
Power supply	100... 240 Vac/Vdc (-15...+10%), 24Vac(-25...+12%) and 24Vdc (-15...+25%) (50/60Hz)
Power consumption	3.5 VA max.
Dimensions / Weight	48 x 48 - depth 120 mm / 130 g approx.
Mounting	Flush in panel in 45 x 45 mm hole
Connections	Screw terminal block M3 for cables with section 1 mm² (18AWG)
Front protection degree	IP65
Operating / storage temperature	0... 50°C (32... 122°F)/-20...+70°C (-4... 158°F)
Operating humidity	5... 95% RH% without condensation
Conformity	EN 61000-6-3:2001, EN 61000-6-4:2001, EN 61000-6-2:2001



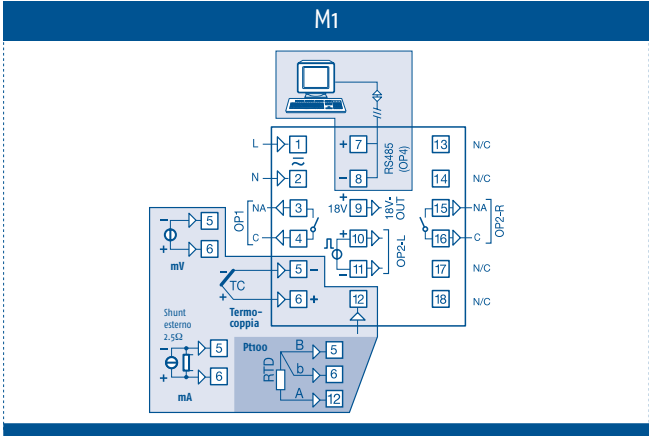
EVERYTHING UNDER CONTROL

HOW TO ORDER

To compose the part number, pls. choose one of the option for each variable

M1		CODE
POWER SUPPLY		
100... 240 Vac/Vdc		3
24 Vac/Vdc		5
OUTPUTS		
Relay/Relay		0
Triac/Relay		3
Relay/Voltage for SSR driving		6
Relay/triac		7
SERIAL COMMUNICATION		OPTIONS
Not available	Not available	00
	Transmitter Power supply	06
	Transmitter Power supply + retransmission	07
	Not available	50
RS485	Transmitter Power supply	56
SPECIAL FUNCTIONS		
Limit switch version		9
Not available		0
INSTRUCTION MANUAL		
Italian/English		0
Not available		9
FRONT FRAME COLOUR		
Dark grey		0
Dark grey + shunt 0.1%		2
SPECIAL EXECUTION		
Not available		0
On DIN rail		1
On DIN rail no display		2
Tropicalized		3

CONNECTIONS



DIMENSIONS

