REG48PUN2RLU

temperature control relay REG - 48 x 48 mm - 24 V AC/DC - 2 relays NO

Main

Commercial Status	Commercialised
Range of product	Zelio Control
Product or component type	Modular measurement and control relays
Relay type	Temperature control relays
Product specific application	Heating and cooling HVAC Industrial machines Packaging
Relay name	REG
Outer dimension	1/16 DIN 48 x 48 mm
Analogue input type	Voltage 2...10 V Voltage 1...5 V Voltage 0...5 V Voltage 0...10 V Voltage 0...0.1 V Thermocouple thermocouple J, K, R, B, S, T, E, N, PLII Temperature probe Pt 100 Current 4...20 mA Current 0...20 mA
[Us] rated supply voltage	24 V AC/DC
Output type	2 relays NO at 30 V DC / 3 A
Alarm output	2 SPDT
Communication port protocol	Modbus

Complementary

Supply voltage limits	21.6...26.4 V
Measurement accuracy	0.3 % full scale
Sampling duration	200 ms
Power consumption in VA	12 VA at 24 V AC/DC
Method of access	Slave
Transmission frame	RTU
Physical interface	RS485 non isolated
Exchange mode	Half duplex
Transmission rate	9600, 19200 kbit/s
Function available	Auto tuning Fuzzy logic Hysteresis on-off Manual operation PID Ramp 16 steps Soft start
Marking	CE
Operating position	Any position

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Local signalling	4 digits 7 segments red for process value
	4 digits 7 segments green for setpoint value
	1 LED red for process value indicator (PV)
	1 LED red for process output 2 active (C2)
	1 LED red for process output 1 active (C1)
	1 LED green for setpoint value indicator (SV)
	1 LED green for alarm output 2 active (D02)
	1 LED green for alarm output 1 active (D01)
Mounting support	Panel

Environment

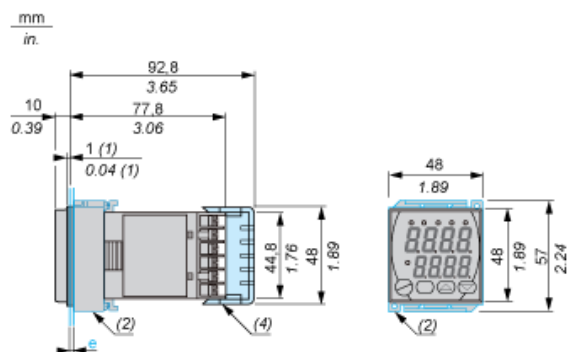|	
Standards	EN 61010-1
	EN 61326-1
	CSA C22.2 No 24-93
Product certifications	CURus (873)
	GOST
Ambient air temperature for storage	-20...60 °C
Ambient air temperature for operation	-10...50 °C
Relative humidity	90 % without condensation
Operating altitude	2000 m
Storage altitude	3000 m
Vibration resistance	1 gn at 10...70 Hz conforming to IEC 60068-2-6
Shock resistance	5 gn conforming to IEC 60068-2-27
IP degree of protection	IP66 (front face) conforming to IEC 60529
	IP20 (rear)
NEMA degree of protection	NEMA 4X (front face)

RoHS compliance

RoHS EUR status	Compliant
RoHS EUR conformity date(YYWW)	0940

Contractual warranty

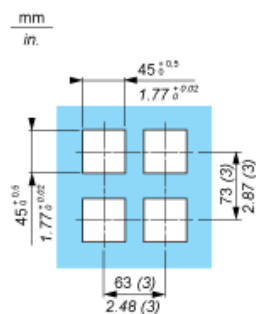|	
Period	18 months

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48 x 48 Size – 1/16 DIN Standard

Panel Mounting: Bracket Supplied
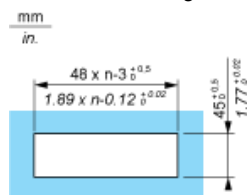

(1)   Seal
(2)   Fixing brackets supplied with REG temperature control relays.
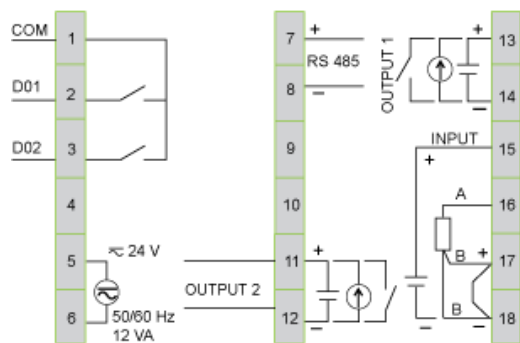(4)   Terminal block cover, to be ordered separately.

Panel cut-out

(3)   Minimum value.

Side stick mounting: n units (water-proof property lost in this case)

Temperature Control Relays

Wiring Diagram

Mouser Electronics

Authorized Distributor

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