

Product data sheet

Specifications



temperature control relay REG - 24 x 48 mm - 100..240 V AC - 1 solid state relay

REG24PTP1LHU

⚠ Discontinued on: Jan 6, 2016

⚠ Discontinued

Main

Range of product	Zelio Control
Product or component type	Modular measurement and control relays
Relay type	Temperature control relays
Product specific application	Industrial machines Heating or cooling HVAC Packaging
Relay name	REG

Complementary

Outer dimension	1/32 DIN 24 x 48 mm
Analogue input type	Temperature probe for Pt 100 Thermocouple for thermocouple J, K, R, B, S, T, E, N, PLII
[Us] rated supply voltage	100...240 V AC
Supply voltage limits	85...264 V
Measurement accuracy	0.5 % full scale
Sampling duration	500 ms
Number of outputs	1 solid state output
Output type	Solid state 24 V DC 20 mA
Power consumption in VA	6 VA at 100 V AC 8 VA at 240 V AC
Communication port protocol	Modbus
Method of access	Slave
Transmission frame	RTU
Physical interface	RS485 non isolated
Exchange mode	Half duplex
Transmission rate	9600, 19200 kbit/s
Function available	Fuzzy logic Ramp 8 steps PID Auto tuning Hysteresis on-off
Marking	CE
Operating position	Any position

List Price displayed is VAT EXCLUSIVE.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Display type	7 segments LCD
Display digits	4
Signalling function	Setpoint value indicator (SV) LED green Process output 1 active (C1) LED red Modbus alarm (AL2) LED Process value LCD display
Mounting support	Panel 35 mm symmetrical DIN rail

Environment

Standards	EN 61010-1 CSA C22.2 No 24-93 EN 61326-1
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	0...3000 m
Vibration resistance	1 gn (f= 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

Contractual warranty

Warranty (in months)	18
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

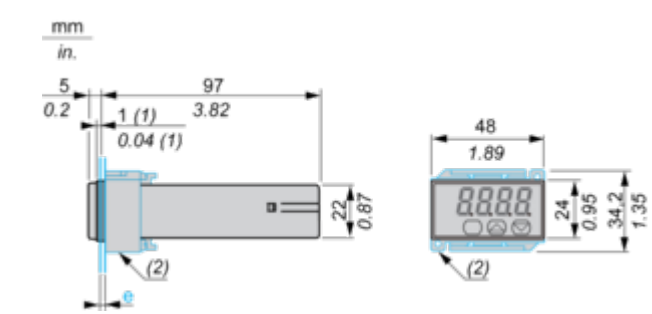
Use Longer

Lifetime extension	
Repair	No

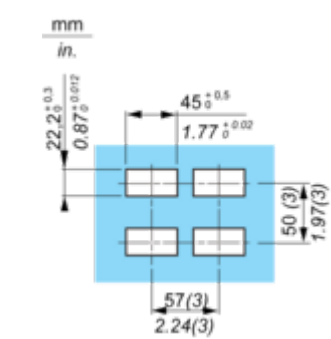
Dimensions Drawings

24 x 48 Size – 1/32 DIN Standard

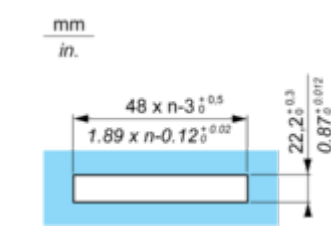
Panel Mounting: Bracket Supplied



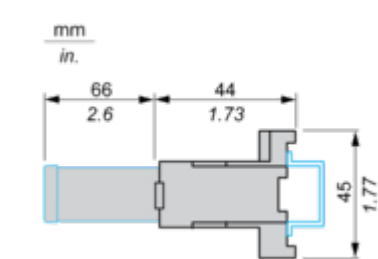
- (1) Seal
(2) Fixing brackets supplied with REG temperature control relays.
Panel cut-out



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



Mounting on DIN Rail with Accessory REG24PSOC



Connections and Schema

Temperature Control Relays

Wiring Diagram

