

Product data sheet

Specifications



temperature control relay REG - 48 x 48 mm - 24 V AC/DC - 1 relay NO

REG48PUN1RLU

⚠ 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	HVAC Packaging Industrial machines Heating or cooling
Relay name	REG

Complementary

Outer dimension	48 x 48 mm 1/16 DIN
Analogue input type	Temperature probe Pt 100 Thermocouple thermocouple J, K, R, B, S, T, E, N, PLII Current 4...20 mA Voltage 1...5 V Current 0...20 mA Voltage 0...0.1 V Voltage 0...10 V Voltage 0...5 V Voltage 2...10 V
[Us] rated supply voltage	24 V AC/DC
Supply voltage limits	21.6...26.4 V
Measurement accuracy	0.3 % full scale
Sampling duration	200 ms
Number of outputs	1 relay NO
Output type	Relay 30 V DC 3 A
Alarm output	2 C/O
Power consumption in VA	12 VA 24 V AC/DC
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

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

Function available	Ramp 16 steps Soft start PID Manual operation Fuzzy logic Hysteresis on-off Auto tuning
Marking	CE
Operating position	Any position
Display type	7 segments LCD
Display digits	4
Signalling function	Setpoint value indicator (SV) LED green Process output 1 active (C1) LED red Alarm output 1 active (D01) LED green Alarm output 2 active (D02) LED green Process output 2 active (C2) LED red Process value indicator (PV) LED red Process value LCD display Setpoint value LCD display
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	-4...140 °F (-20...60 °C)
Ambient air temperature for operation	14...122 °F (-10...50 °C)
Relative humidity	90 % without condensation
Operating altitude	2000 m
Storage altitude	0...9842.5 ft (0...3000 m)
Vibration resistance	1 gn (f= 10...70 Hz) conforming to IEC 60068-2-6
Shock resistance	5 gn IEC 60068-2-27
IP degree of protection	IP66 IEC 60529 front face) 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 >](#)

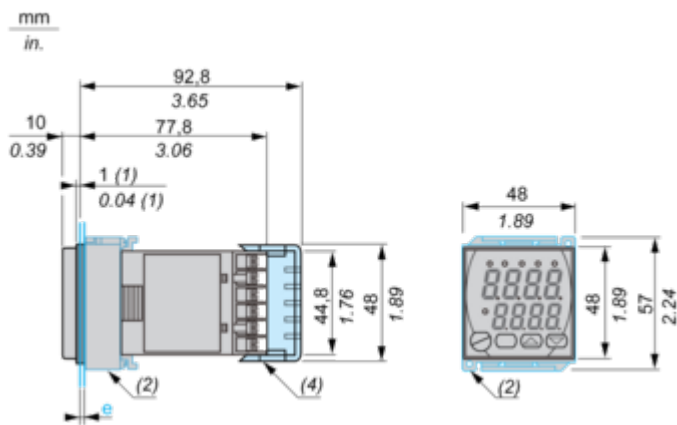
Use Longer

Lifetime extension	
Repair	No

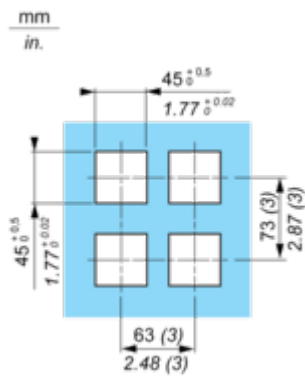
Dimensions Drawings

48 x 48 Size – 1/16 DIN Standard

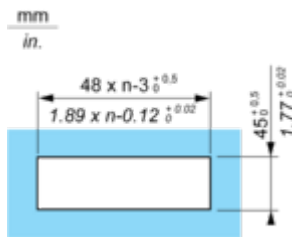
Panel Mounting: Bracket Supplied



- (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)



Connections and Schema

Temperature Control Relays

Wiring Diagram

