

Product data sheet

Specifications



temperature control relay REG - 48
x 48 mm - 24 V AC/DC - current
4..20 mA

REG48PUN1JLU

⚠ 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	Packaging Industrial machines HVAC Heating or cooling
Relay Name	REG

Complementary

Outer Dimension	1/16 DIN 48 x 48 mm
Analogue Input Type	Temperature probe for Pt 100 Thermocouple for 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 analog output
Output Type	Analog 4...20 mA
Alarm Output	2 C/O
Power Consumption In Va	12 VA at 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	Hysteresis on-off Fuzzy logic Auto tuning PID Soft start Ramp 16 steps Manual operation
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 Process output 2 active (C2) LED red Process value indicator (PV) LED red Process value LCD display Setpoint value LCD display Alarm output 1 active (D01) LED Alarm output 2 active (D02) LED
Mounting Support	Panel

Environment

Standards	CSA C22.2 No 24-93 EN 61326-1 EN 61010-1
Product Certifications	GOST cURus (873)
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

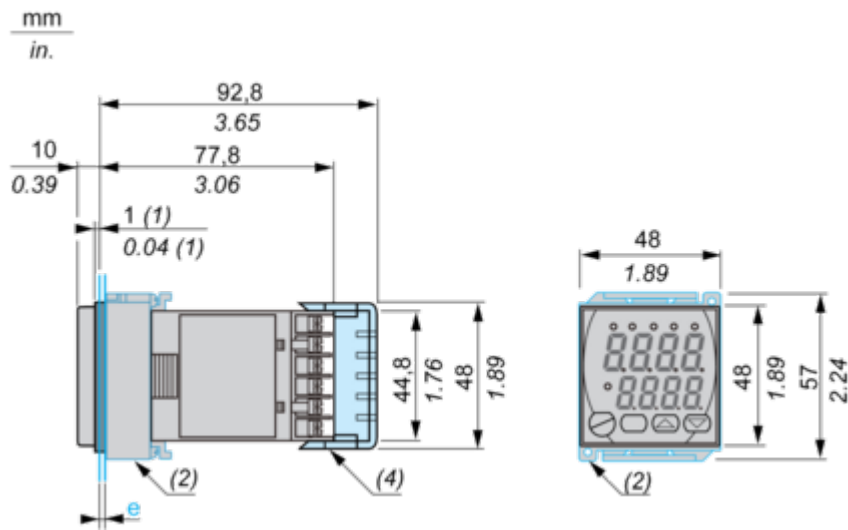
Contractual warranty

Warranty	18 months
----------	-----------

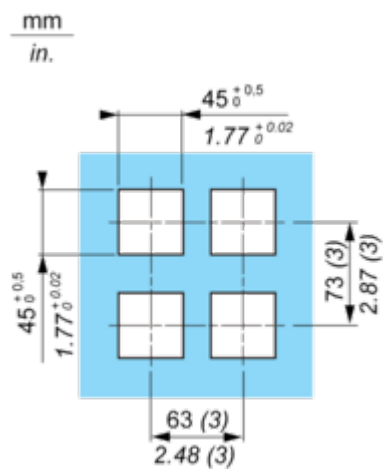
Dimensions Drawings

48 x 48 Size – 1/16 DIN Standard

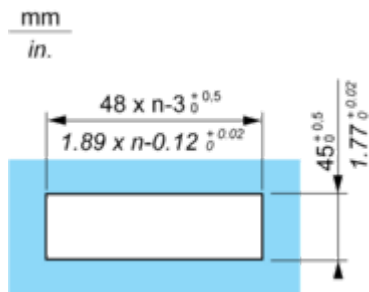
Panel Mounting: Bracket Supplied



- (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

