

# Product data sheet

Specifications



## temperature control relay REG - 48 x 48 mm - 100..240 V AC - 1 relay NO

REG48PUNL1RHU

❗ Discontinued on: 06 January 2016

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### 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 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	100...240 V AC
Supply voltage limits	85...264 V
Measurement accuracy	0.3 % full scale
Sampling duration	200 ms
Number of outputs	1 relay output with NO contact
Output type	Relay 220 V AC 3 A
Alarm output	2 C/O
Power consumption in VA	12 VA at 100...240 V AC
Function available	Fuzzy logic Auto tuning Hysteresis on-off Manual operation PID Ramp 16 steps Soft start
Marking	CE
Operating position	Any position

<b>Display type</b>	7 segments LCD
<b>Display digits</b>	4
<b>Signalling function</b>	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
<b>Mounting support</b>	Panel

## Environment

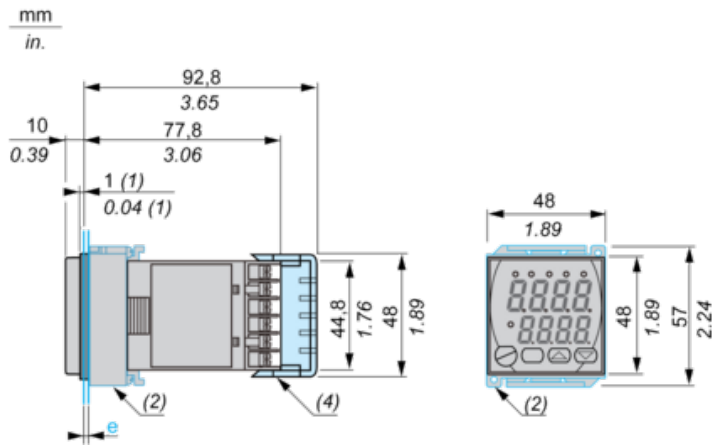
<b>Standards</b>	EN 61326-1 EN 61010-1 CSA C22.2 No 24-93
<b>Product certifications</b>	cURus (873) GOST
<b>Ambient air temperature for storage</b>	-20...60 °C
<b>Ambient air temperature for operation</b>	-10...50 °C
<b>Relative humidity</b>	90 % without condensation
<b>Operating altitude</b>	2000 m
<b>Storage altitude</b>	0...3000 m
<b>Vibration resistance</b>	1 gn (f= 10...70 Hz) conforming to IEC 60068-2-6
<b>Shock resistance</b>	5 gn conforming to IEC 60068-2-27
<b>IP degree of protection</b>	IP66 (front face) conforming to IEC 60529 IP20 (rear)
<b>NEMA degree of protection</b>	NEMA 4X front face

## Contractual warranty

<b>Warranty</b>	18 months
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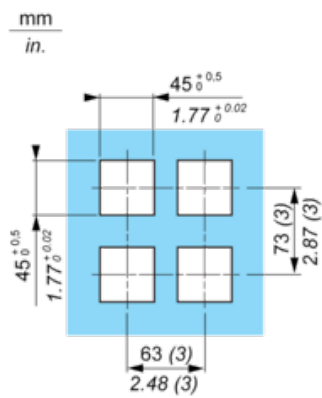
48 x 48 Size – 1/16 DIN Standard

Panel Mounting: Bracket Supplied

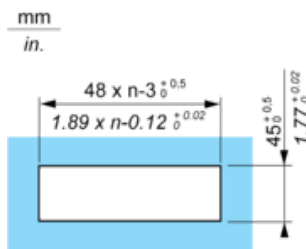


- (1) Seal
- (2) Fixing brackets supplied with **REG** temperature control relays.
- (4) Terminal block cover, to be ordered separately.

Panel cut-out



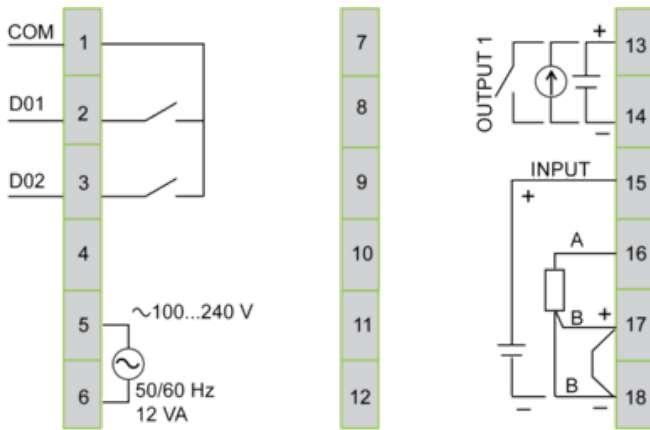
- (3) Minimum value.
- Side stick mounting: n units (water-proof property lost in this case)



## Temperature Control Relays

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### Wiring Diagram



### Recommended replacement(s)