REG24PTP1LHU

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

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 Heating or cooling HVAC
Relay name	REG

Complementary

Outer dimension	24 x 48 mm 1/32 DIN
Analogue input type	Thermocouple (thermocouple J, K, R, B, S, T, E, N, PLII) Temperature probe (temperature probe: Pt 100)
[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 output at 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 Auto tuning PID Hysteresis on-off
Marking	CE
Operating position	Any position
Display type	7 segments LCD
Display digits	4
Signalling function	Modbus alarm (AL2) with LED Setpoint value indicator (SV) with LED green Process output 1 active (C1) with LED red Process value with LCD display
Mounting support	35 mm symmetrical DIN rail Panel

Environment

Standards	EN 61326-1 CSA C22.2 No 24-93 EN 61010-1
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	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	IP20 (rear) IP66 (front face) conforming to IEC 60529
NEMA degree of protection	NEMA 4X (front face)

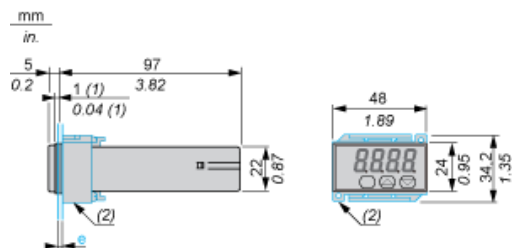## Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 0940 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
Product environmental profile	Available

Contractual warranty

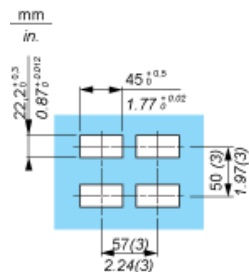|	
Warranty period	18 months

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24 x 48 Size – 1/32 DIN Standard

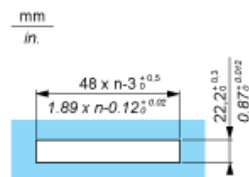### Panel Mounting: Bracket Supplied

mm / in.

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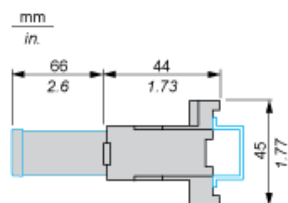
Panel cut-out

mm / in.

(3)   Minimum value.

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

mm / in.

Mounting on DIN Rail with Accessory REG24PSOC

mm / in.

Temperature Control Relays

Wiring Diagram