

REG48PUN2RLU

temperature control relay REG - 48 x 48 mm -
24 V AC/DC - 2 relays NO

Main

| | |
|------------------------------|---|
| Commercial Status | Commercialised |
| Range of product | Zelio Control |
| Product or component type | Modular measurement and control relays |
| Relay type | Temperature control relays |
| Product specific application | Heating and cooling HVAC Industrial machines Packaging |
| Relay name | REG |
| Outer dimension | 1/16 DIN 48 x 48 mm |
| Analogue input type | Voltage 2...10 V Voltage 1...5 V Voltage 0...5 V Voltage 0...10 V Voltage 0...0.1 V Thermocouple thermocouple J, K, R, B, S, T, E, N, PLII Temperature probe Pt 100 Current 4...20 mA Current 0...20 mA |
| [Us] rated supply voltage | 24 V AC/DC |
| Output type | 2 relays NO at 30 V DC / 3 A |
| Alarm output | 2 SPDT |
| Communication port protocol | Modbus |

Complementary

| | |
|-------------------------|---|
| Supply voltage limits | 21.6...26.4 V |
| Measurement accuracy | 0.3 % full scale |
| Sampling duration | 200 ms |
| Power consumption in VA | 12 VA at 24 V AC/DC |
| Method of access | Slave |
| Transmission frame | RTU |
| Physical interface | RS485 non isolated |
| Exchange mode | Half duplex |
| Transmission rate | 9600, 19200 kbit/s |
| Function available | Auto tuning Fuzzy logic Hysteresis on-off Manual operation PID Ramp 16 steps Soft start |
| Marking | CE |
| Operating position | Any position |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

| | |
|------------------|--|
| Local signalling | 4 digits 7 segments red for process value 4 digits 7 segments green for setpoint value 1 LED red for process value indicator (PV) 1 LED red for process output 2 active (C2) 1 LED red for process output 1 active (C1) 1 LED green for setpoint value indicator (SV) 1 LED green for alarm output 2 active (D02) 1 LED green for alarm output 1 active (D01) |
| 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 | -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 | IP66 (front face) conforming to IEC 60529 IP20 (rear) |
| NEMA degree of protection | NEMA 4X (front face) |

RoHS compliance

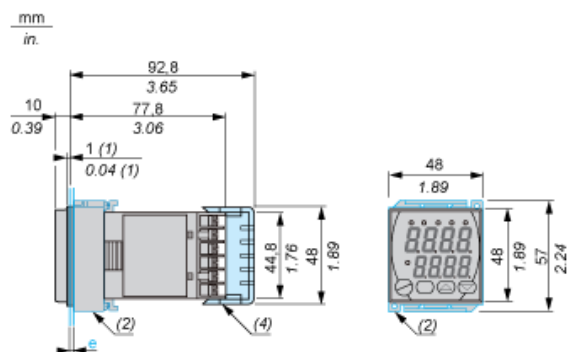
| | |
|--------------------------------|-----------|
| RoHS EUR status | Compliant |
| RoHS EUR conformity date(YYWW) | 0940 |

Contractual warranty

| | |
|--------|-----------|
| Period | 18 months |
|--------|-----------|

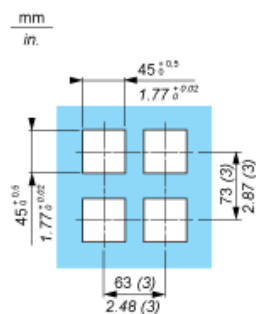
48 x 48 Size – 1/16 DIN Standard

Panel Mounting: Bracket Supplied



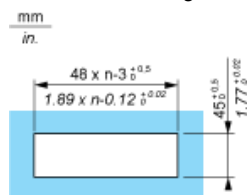
- (1) Seal
- (2) Fixing brackets supplied with REG temperature control relays.
- (4) Terminal block cover, to be ordered separately.

Panel cut-out



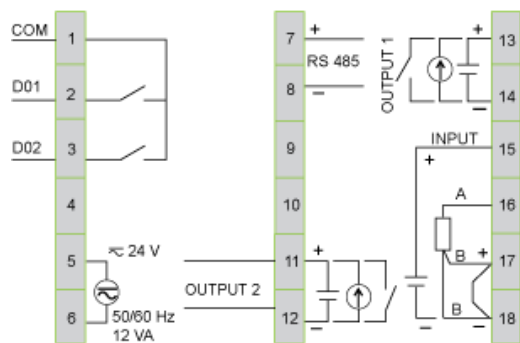
- (3) Minimum value.

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



Temperature Control Relays

Wiring Diagram



Mouser Electronics

Authorized Distributor

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