# REG96PUNL1LHU
temperature control relay REG - 96 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 | Heating or cooling<br>HVAC<br>Industrial machines<br>Packaging |
| Relay name | REG |

## Complementary

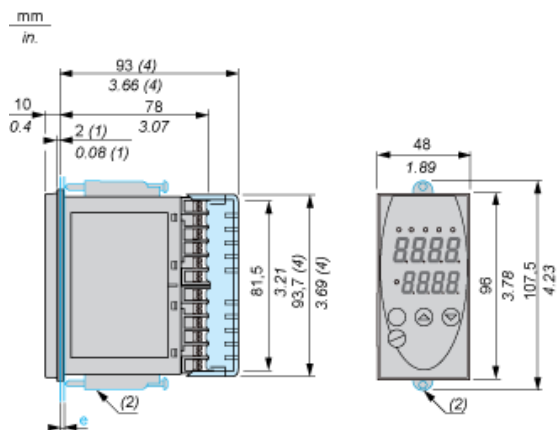| | |
|---|---|
| Outer dimension | 1/8 DIN<br>96 x 48 mm |
| Analogue input type | Voltage 2...10 V<br>Voltage 1...5 V<br>Voltage 0...5 V<br>Voltage 0...10 V<br>Voltage 0...0.1 V<br>Thermocouple (thermocouple J, K, R, B, S, T, E, N, PLII)<br>Temperature probe (temperature probe: Pt 100)<br>Current 4...20 mA<br>Current 0...20 mA |
| [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 solid state output |
| Output type | Solid state output at 24 V DC / 20 mA |
| Alarm output | 3 C/O |
| Power consumption in VA | 12 VA at 100...240 V AC |
| Function available | Auto tuning<br>Fuzzy logic<br>Hysteresis on-off<br>Manual operation<br>PID<br>Ramp 16 steps<br>Soft start |
| Marking | CE |
| Operating position | Any position |
| Display type | 7 segments LCD |
| Display digits | 4 |
| Signalling function | Alarm output 3 active (D03) with LED<br>Alarm output 2 active (D02) with LED<br>Alarm output 1 active (D01) with LED<br>Setpoint value with LCD display<br>Process value indicator (PV) with LED red<br>Process output 2 active (C2) with LED red<br>Process value with LCD display<br>Process output 1 active (C1) with LED red<br>Setpoint value indicator (SV) with LED green |
| Mounting support | Panel |

## Environment

| | |
|---|---|
| Standards | EN 61010-1<br>EN 61326-1<br>CSA C22.2 No 24-93 |
| Product certifications | CURus (873)<br>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<br>IP20 (rear) |
| NEMA degree of protection | NEMA 4X (front face) |

## Offer Sustainability

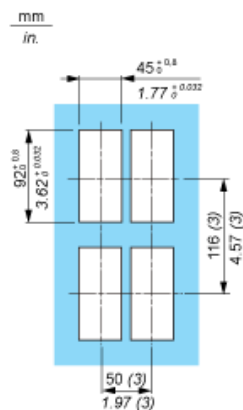| | |
|---|---|
| Sustainable offer status | Not Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 0940 - Schneider Electric declaration of conformity |
| Product environmental profile | Available |

## 96 x 48 Size - 1/8 DIN Standard

### Panel Mounting: Bracket Supplied
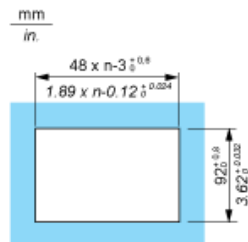


(1)    Seal
(2)    Fixing brackets supplied with REG temperature control relays.
(4)    Terminal block cover, to be ordered separately.

Panel cut-out



(3)    Minimum value.

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

Temperature Control Relays

## Wiring Diagram

Schneider Electric