

Product data sheet

Specifications



temperature control relay RTC - 48x48 mm - 100..240 VAC -relay, SSR, comm, alarm

RTC48PUNCRSHU

⚠ Discontinued on: Mar 15, 2022

⚠ Discontinued

Product availability: Non-Stock - Not normally stocked in distribution facility

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 Packaging Industrial machines HVAC |
| Relay Name | RTC |

Complementary

| | |
|-----------------------------|--|
| Outer Dimension | 1/16 DIN 48 x 48 mm |
| Analogue Input Type | Thermocouple thermocouple J, K, R, B, S, T, E, N, PLII, C(W/Re5-26)) Temperature probePt 100, JPt 100) Voltage 0...1 V DC Voltage 0...5 V DC Voltage 1...5 V DC Voltage 0...10 V DC Current 0...20 mA Current 4...20 mA |
| [Us] Rated Supply Voltage | 100...240 V AC |
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| Supply Voltage Limits | 85...264 V |
| Measurement Accuracy | 0.2 % full scale |
| Sampling Duration | 250 ms |
| Number Of Outputs | 1 relay NO output 1 1 solid state output 2 |
| Output Type | Relay 250 V AC / 3 A on resistive load Relay 250 V AC / 1 A on inductive load Solid state 12 V DC / 40 mA |
| Alarm Output | 1 C/O |
| Power Consumption In Va | 8 VA 250 V AC |
| Communication Port Protocol | Modbus RTU and ASCII |
| Method Of Access | Slave |
| Transmission Frame | RTU/ASCII |
| Physical Interface | RS485 non isolated |

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

| | |
|---------------------|--|
| Exchange Mode | Half duplex |
| Transmission Rate | 9600, 19200 kbit/s |
| Function Available | Auto tuning PID |
| Marking | CE |
| Operating Position | Any position |
| Display Type | 11 segments LCD |
| Display Digits | 5 |
| Signalling Function | Process value green, orange and red Output status (OUT1, OUT2) Orange Alarm status (EV1, EV2) Orange Transmission/reception activity (TX/TR) Orange Setpoint value Green |
| Mounting Support | Panel |
| Net Weight | 4.23 oz (120 g) |

Environment

| | |
|---------------------------------------|--|
| Standards | EN 61010-1 EN 61326-1 CSA C22.2 No 24-93 |
| Product Certifications | cURus (873) |
| Ambient Air Temperature For Storage | -13...176 °F (-25...80 °C) |
| Ambient Air Temperature For Operation | 32...122 °F (0...50 °C) |
| Relative Humidity | 35...85 % without condensation |
| Vibration Resistance | 1 gn 10...55 Hz)IEC 60068-2-6 |
| Shock Resistance | 10 gn IEC 60068-2-27 |
| Ip Degree Of Protection | IP66 IEC 60529 front face) IP20 rear) |
| Nema Degree Of Protection | NEMA 4X front face |

Ordering and shipping details

| | |
|-------------------|----------------|
| Category | US10CP222380 |
| Discount Schedule | 0CP2 |
| Gtin | 00785901905639 |
| Returnability | No |
| Country Of Origin | JP |

Packing Units

| | |
|------------------------------|------------------|
| Unit Type Of Package 1 | PCE |
| Number Of Units In Package 1 | 1 |
| Package 1 Height | 2.40 in (6.1 cm) |
| Package 1 Width | 2.52 in (6.4 cm) |
| Package 1 Length | 3.43 in (8.7 cm) |
| Package 1 Weight | 5.29 oz (150 g) |

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



Transparency

Well-being performance



Mercury Free

Eu Rohs Directive

Not applicable, out of EU RoHS legal scope

China Rohs Regulation

[China RoHS declaration](#)

Environmental Disclosure

[Product Environmental Profile](#)

Weee

The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Circularity Profile

[End of Life Information](#)

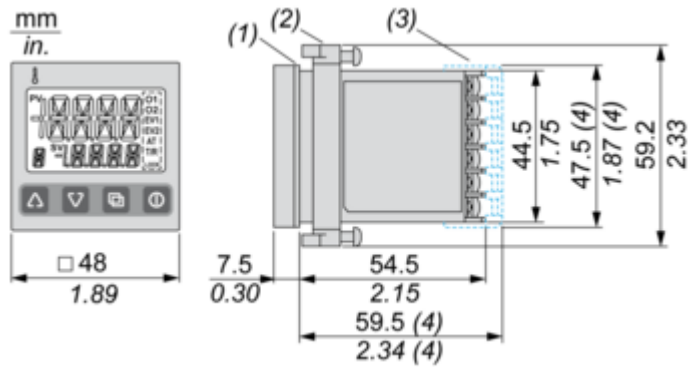
California Proposition 65

WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

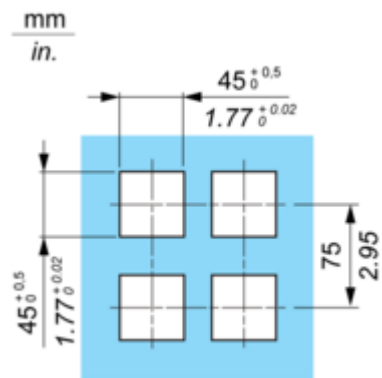
Dimensions Drawings

48 x 48 Size – 1/16 DIN Standard

Panel Mounting : Mounting Frame Supplied



- (1) Gasket
(2) Mounting frame
(3) Terminal cover, to be ordered separately.
(4) When Terminal cover (sold separately) is used
Panel cut-out

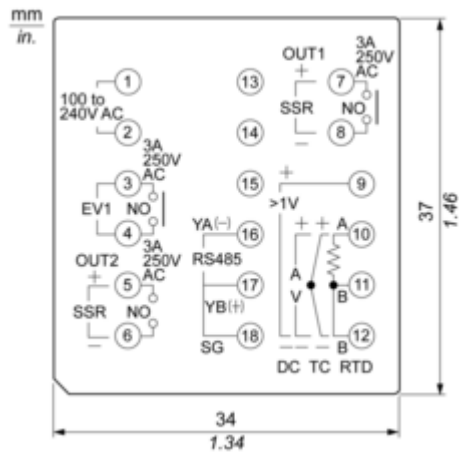


Side stick mounting: n units (water-proof property lost in this case)



Connections and Schema

Wiring Diagram



- EV : Alarm output
- OUT : Control output
- DC : DC current or DC voltage input
- TC : Thermocouple input
- RTD : Resistance temperature detector input
- RS485 : Serial communication
- SSR : Solid State relay