



Main

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|------------------------------|--|
| Range of Product | Zelio Control |
| Product or Component Type | Modular measurement and control relays |
| Relay Type | Temperature control relays |
| Product Specific Application | HVAC Industrial machines Heating or cooling Packaging |
| Relay name | RTC |

Complementary

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|-----------------------------|--|
| Outer dimension | 48 x 48 mm 1/16 DIN |
| 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 |
| Output type | Relay 250 V AC / 3 A on resistive load Relay 250 V AC / 1 A on inductive load |
| 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 |
| 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

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|---------------------------------------|--|
| 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

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|-----------------------|--|
| Category | 22380 - RELAYS-MEASUREMENT (RM17-RM35) |
| Discount Schedule | CP2 |
| GTIN | 3606480598449 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 5.43 oz (154 g) |
| Returnability | No |
| Country of origin | JP |

Packing Units

| | |
|------------------------------|--------------------------|
| Unit Type of Package 1 | PCE |
| 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) |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 32 |
| Package 2 Weight | 10.95 lb(US) (4.965 kg) |
| Package 2 Height | 5.91 in (15 cm) |
| Package 2 width | 11.81 in (30 cm) |
| Package 2 Length | 15.75 in (40 cm) |
| Unit Type of Package 3 | PAL |
| Number of Units in Package 3 | 512 |
| Package 3 Weight | 179.41 lb(US) (81.38 kg) |
| Package 3 Height | 29.53 in (75 cm) |
| Package 3 width | 31.50 in (80 cm) |
| Package 3 Length | 47.24 in (120 cm) |

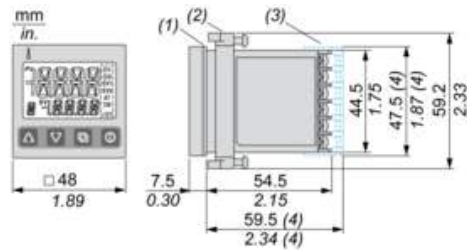
Offer Sustainability

| | |
|----------------------------|---|
| 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 |
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS Declaration |
| Environmental Disclosure | Product Environmental Profile |

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

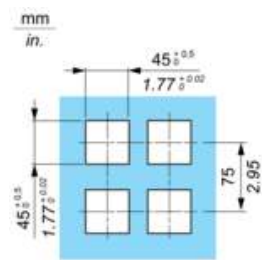
48 x 48 Size – 1/16 DIN Standard

Panel Mounting : Mounting Frame Supplied

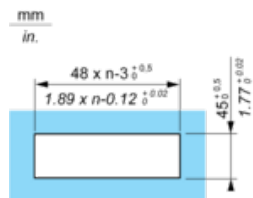


- (1) Gasket
- (2) Mounting frame
- (3) Terminal cover, to be ordered separately.
- (4) When Terminal cover (sold separately) is used

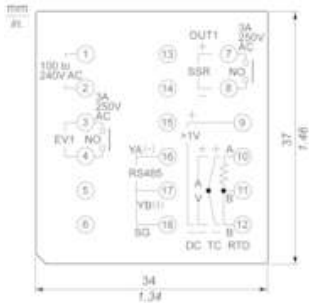
Panel cut-out



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



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