



## Main

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

## Complementary

|                           |                                                                                                                                                                                                                                               |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Outer dimension           | 1/16 DIN<br>48 x 48 mm                                                                                                                                                                                                                        |
| Analogue input type       | Thermocouple thermocouple J, K, R, B, S, T, E, N, PLII, C(W/Re5-26))<br>Temperature probe Pt 100, JPt 100)<br>Voltage 0...1 V DC<br>Voltage 0...5 V DC<br>Voltage 1...5 V DC<br>Voltage 0...10 V DC<br>Current 0...20 mA<br>Current 4...20 mA |
| [Us] rated supply voltage | 24 V AC/DC                                                                                                                                                                                                                                    |
| [Us] rated supply voltage | 24 V AC/DC                                                                                                                                                                                                                                    |
| Supply voltage limits     | 20...28 V                                                                                                                                                                                                                                     |
| Measurement accuracy      | 0.2 % full scale                                                                                                                                                                                                                              |
| Sampling duration         | 250 ms                                                                                                                                                                                                                                        |
| Number of outputs         | 1 solid state output 1                                                                                                                                                                                                                        |
| Output type               | Solid state 12 V DC / 40 mA                                                                                                                                                                                                                   |
| Alarm output              | 1 C/O                                                                                                                                                                                                                                         |
| Power consumption in VA   | 8 VA 250 V AC                                                                                                                                                                                                                                 |
| Function Available        | Auto tuning<br>PID                                                                                                                                                                                                                            |
| Marking                   | CE                                                                                                                                                                                                                                            |
| Operating position        | Any position                                                                                                                                                                                                                                  |
| Display Type              | 11 segments LCD                                                                                                                                                                                                                               |
| Display digits            | 5                                                                                                                                                                                                                                             |
| Signalling function       | Process value green, orange and red<br>Output status (OUT1, OUT2) Orange<br>Alarm status (EV1, EV2) Orange<br>Transmission/Reception activity (TX/TR) Orange<br>Setpoint value Green                                                          |
| Mounting Support          | Panel                                                                                                                                                                                                                                         |
| Net Weight                | 4.23 oz (120 g)                                                                                                                                                                                                                               |

## Environment

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

## Ordering and shipping details

|                       |                                        |
|-----------------------|----------------------------------------|
| Category              | 22380 - RELAYS-MEASUREMENT (RM17-RM35) |
| Discount Schedule     | CP2                                    |
| GTIN                  | 3606480598432                          |
| Nbr. of units in pkg. | 1                                      |
| Package weight(Lbs)   | 4.76 oz (135 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             | 10.59 lb(US) (4.804 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             | 189.29 lb(US) (85.86 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)        |

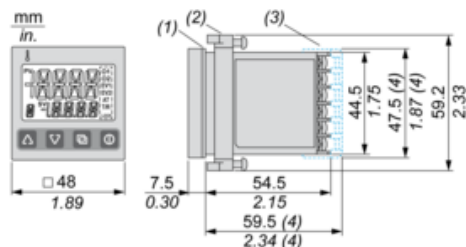
## Offer Sustainability

|                            |                                                                                                                                                                                                                                                                                             |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                                                                                                                                                                                                           |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>                                                                                                                                                                                              |
| Mercury free               | Yes                                                                                                                                                                                                                                                                                         |
| RoHS exemption information | <a href="#">Yes</a>                                                                                                                                                                                                                                                                         |
| China RoHS Regulation      | <a href="#">China RoHS Declaration</a>                                                                                                                                                                                                                                                      |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>                                                                                                                                                                                                                                               |

|                     |                                                                                                                              |
|---------------------|------------------------------------------------------------------------------------------------------------------------------|
| Circularity Profile |  <a href="#">End Of Life Information</a>     |
| WEEE                | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |

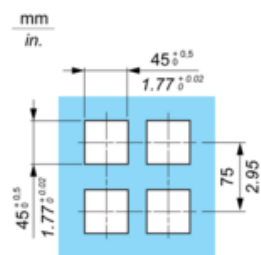
## 48 x 48 Size – 1/16 DIN Standard

### Panel Mounting : Mounting Frame Supplied

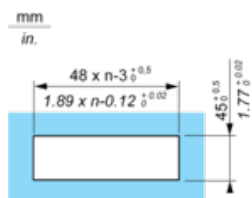


- (1) Gasket
- (2) Mounting frame
- (3) Terminal cover, to be ordered separately.
- (4) When Terminal cover (sold separately) is used

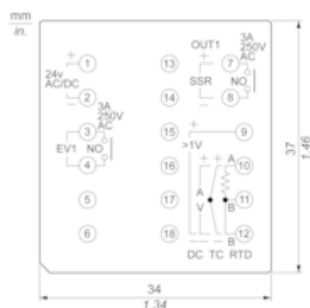
### Panel cut-out



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
- SSR : Solid State relay