

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 | Industrial machines<br>HVAC<br>Heating or cooling<br>Packaging |
| Relay name                   | RTC                                                            |

## Complementary

|                             |                                                                                                                                                                                                                                                                    |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Outer dimension             | 48 x 48 mm<br>1/16 DIN                                                                                                                                                                                                                                             |
| Analogue input type         | Thermocouple (thermocouple J, K, R, B, S, T, E, N, PLII, C(W/Re5-26))<br>Temperature probe (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>Current 0...20 mA<br>Current 4...20 mA<br>Voltage 0...10 V DC |
| [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 relay output with NO contact output 1<br>1 relay output with NO contact output 2                                                                                                                                                                                 |
| Output type                 | Relay output at 250 V AC / 3 A on resistive load<br>Relay output at 250 V AC / 1 A on inductive load                                                                                                                                                               |
| Alarm output                | 1 C/O                                                                                                                                                                                                                                                              |
| Power consumption in VA     | <= 8 VA at 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<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                                                                               |

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|                  |                 |
|------------------|-----------------|
| Mounting support | Panel           |
| Product weight   | 4.23 oz (120 g) |

## Environment

|                                       |                                                          |
|---------------------------------------|----------------------------------------------------------|
| Standards                             | EN 61326-1<br>EN 61010-1<br>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 at 10...55 Hz conforming to IEC 60068-2-6           |
| Shock resistance                      | 10 gn conforming to IEC 60068-2-27                       |
| IP degree of protection               | IP20 (rear)<br>IP66 (front face) conforming to IEC 60529 |
| NEMA degree of protection             | NEMA 4X (front face)                                     |

## Ordering and shipping details

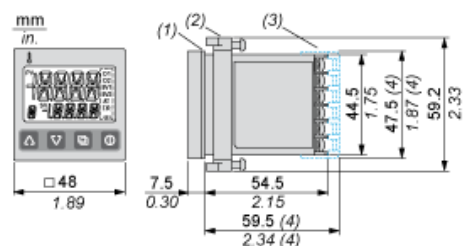
|                       |                                        |
|-----------------------|----------------------------------------|
| Category              | 22380 - RELAYS-MEASUREMENT (RM17-RM35) |
| Discount Schedule     | CP2                                    |
| GTIN                  | 00785901857075                         |
| Nbr. of units in pkg. | 1                                      |
| Package weight(Lbs)   | 0.26000000000000001                    |
| Returnability         | N                                      |
| Country of origin     | JP                                     |

## Offer Sustainability

|                                  |                                                                                                                                    |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status         | Green Premium product                                                                                                              |
| RoHS (date code: YYWW)           | Compliant - since 1314 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a> |
| REACH                            | Reference not containing SVHC above the threshold                                                                                  |
| Product environmental profile    | Available                                                                                                                          |
| Product end of life instructions | Available                                                                                                                          |
| California proposition 65        | WARNING: This product can expose you to chemicals including:                                                                       |
| - - - - - Substance 1            | Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm.   |
| - - - - - More information       | For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                                      |

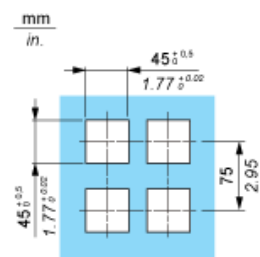
48 x 48 Size – 1/16 DIN Standard

Panel Mounting : Mounting Frame Supplied

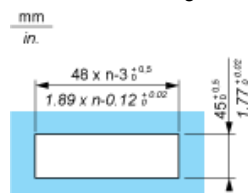


- (1) Gasket
- (2) Mounting frame
- (3) Terminal cover, to be ordered separately.
- (4) When Terminal cover (sold separately) is used

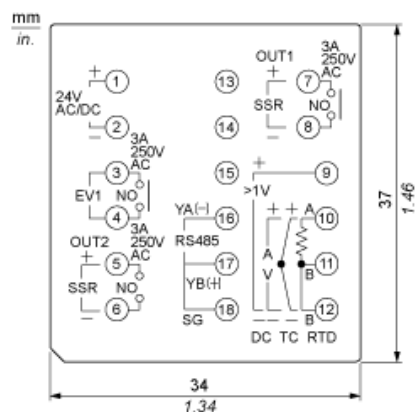
Panel cut-out



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

# Mouser Electronics

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