RTC48PUN2RNHU
temperature control relay RTC - 48x48 mm - 100..240 V AC - 1 relay, alarms

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	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
[Us] rated supply voltage	100...240 V AC
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	2 C/O
Power consumption in VA	8 VA 250 V AC
Function Available	PID Auto tuning
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 61326-1 EN 61010-1 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	22380 - RELAYS-MEASUREMENT (RM17-RM35)
Discount Schedule	CP2
GTIN	3606480598524
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	10.04 lb(US) (4.555 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)

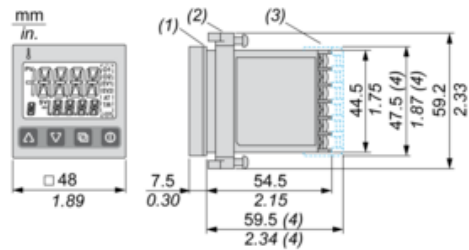## Offer Sustainability

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

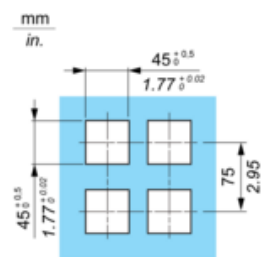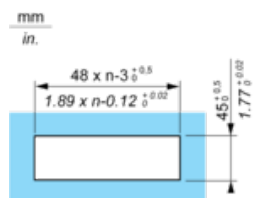| Circularity Profile	End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

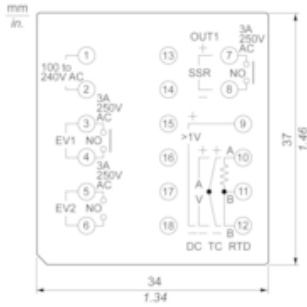## 48 x 48 Size – 1/16 DIN Standard

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