Datasheet
Stock No: 1241072

RS Pro 48 x 48mm Temperature and Process Controller

At a glance

- **1/16 DIN (48 x 48mm)**
- **Universal input**
- **Up to 3 outputs**
- **Selectable indicator mode**
- **Fast configuration**
- **Large clear display**
- **Depth 67mm**

Overview

The 48 x 48mm Temperature and Process Controller has been designed to offer essential temperature control in a device that's easy to install, fast to program and with improved display visibility.

This unit provides an affordable solution for applications where primary temperature control functions such as heat only or heat/cool are needed, it offers a universal input and up to 3 outputs with a choice of either relay or SSR.

Typical applications include packaging processes such as sealers and many more.

Key Features

- High visibility 18mm upper display and 10.2mm lower display digits
- Quick setup menu with top 10 configuration parameters
- Thermocouple, PT100 or linear DC sensor input
- Up to 3 outputs, relay or SSR
- 2 process alarms, high/low, deviation or band.
- 3 button operation
- 2 x 4 digit display and 3 output status LEDs
- Front panel configuration

Specifications

Input

Thermocouple	J, K, C, R, S, T, B, L, N.
RTD	3 Wire PT100
DC Linear	0 to 20mA, 4 to 20mA, 0 to 50mV, 10 to 50mV, 0 to 5V, 1 to 5V, 0 to 10V, 2 to 10V. Scalable -1999 to 9999, with adjustable decimal point
Accuracy	Thermocouple ±0.25% of full range ±1 LSD (±1°C for thermocouple CJC). PT100 ±0.25% of full range, ±1LSD, DC Linear±0.2% of full range, ±1LSD.
Sampling	4 per second
Impedance	>10MΩ resistive, except DC mA (5Ω) and V (47KΩ)
Sensor Break Detection	<2 seconds (except zero based DC ranges), high alarms activate for T/C, RTD and mV ranges, low alarms activate for mA or V ranges

Outputs & Options

Relay	SPST Form A relay; current capacity 2A at 250VA. >150,000 operations at rated voltage/current, resistive load
SSR	Drive capability >10V DC @ 20mA

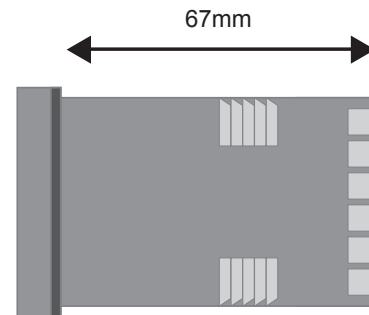## Operating and Environmental

Temperature & RH	0 to 55°C (-20 to 80°C storage), 20% to 95% RH non-condensing
Power Supply	100 to 240V 50/60Hz (mains powered version) 24V DC/AC +10%/-15%, AC 50/60Hz (low voltage version)
Front Panel Protection	IP65 (Behind panel IP20)
Standards	CE
EMI	Complies with EN61326 (Susceptibility & Emissions)
Safety Considerations	Complies with EN61010-1 Pollution Degree 2, Installation Category II
Weight	1/16 DIN x 0.08kg excluding packaging

Dimensions

Front Fascia   1/16 DIN = 48 x 48mm

67mm

Ordering

Stock Number	Front Fascia Size	Supply Voltage	Number Outputs
1241065	48 x 48 mm	110-240V ac	2 x Relay
1241066	48 x 48 mm	110-240V ac	1 x SSR, 1 x Relay
1241070	48 x 48 mm	110-240V ac	2 x SSR, 1 x Relay
1241071	48 x 48 mm	110-240V ac	1 x SSR, 2 x Relay
1241072	48 x 48 mm	110-240V ac	3 x Relay
1241067	48 x 48 mm	24V ac/dc	2 x SSR, 1 x Relay
1241068	48 x 48 mm	24V ac/dc	1 x SSR, 2 x Relay
1241069	48 x 48 mm	24V ac/dc	3 x Relay
1241063	96 x 48 mm	110-240V ac	1 x SSR, 2 x Relay
1241064	96 x 48 mm	110-240V ac	3 x Relay
1241061	96 x 48 mm	24V ac/dc	1 x SSR, 2 x Relay
1241062	96 x 48 mm	24V ac/dc	3 x Relay

Accessories

Stock Number	Description
1241083	Terminal Cover