



ENGLISH

Datasheet

Stock No: 1241067

## 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



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## Specifications

### Input

<b>Thermocouple</b>	J, K, C, R, S, T, B, L, N.
<b>RTD</b>	3 Wire PT100
<b>DC Linear</b>	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
<b>Accuracy</b>	Thermocouple $\pm 0.25\%$ of full range $\pm 1$ LSD ( $\pm 1^\circ\text{C}$ for thermocouple CJC). PT100 $\pm 0.25\%$ of full range, $\pm 1$ LSD, DC Linear $\pm 0.2\%$ of full range, $\pm 1$ LSD.
<b>Sampling</b>	4 per second
<b>Impedance</b>	$> 10\text{M}\Omega$ resistive, except DC mA ( $5\Omega$ ) and V ( $47\text{K}\Omega$ )
<b>Sensor Break Detection</b>	$< 2$ 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

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

## Operating and Environmental

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

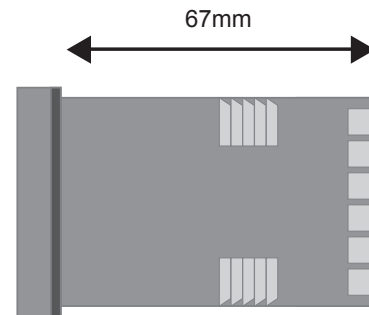


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## Dimensions

Front Fascia

1/16 DIN = 48 x 48mm



## Ordering

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

## Accessories

Stock Number	Description
<b>1241083</b>	Terminal Cover