



ENGLISH

Datasheet

Stock No: 1448684

RS Pro DIN Rail Temperature Limit Device



At a glance

- DIN rail mounted
- Universal input
- 2 outputs
- Digital Input
- Fast configuration
- Clear OLED display
- 22.5mm module width

Overview

RS Pro DIN rail temperature limit device is easy to install and fast to setup with an easy to read OLED display.

This device provides an affordable solution where secondary temperature limit protection is required, it offers a universal input and 2 outputs.

Key Features

- Text / Icon matrix display
- Quick setup menu with main configuration parameters
- Thermocouple, PT100 or linear DC sensor input
- 2 relay outputs
- Isolated digital input
- Limit alarm plus warning, high/low or deviation
- 3 button operation
- 3 status LEDs
- Front panel configuration



ENGLISH

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 $\pm 0.25\%$ of full range ± 1 LSD ($\pm 1^\circ\text{C}$ for thermocouple CJC). PT100 $\pm 0.25\%$ of full range, ± 1 LSD, Linear $\pm 0.2\%$ of full range, ± 1 LSD.
Sampling	4 per second
Impedance	$> 10\text{M}\Omega$ resistive, except DC mA (5Ω) and V ($47\text{K}\Omega$)
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
Digital Input	Reset Alarm. Volt Free or TTL compatible, 24VDC

Outputs & Options

Relay	LIMIT SPDT Form C, AL1 / 2 SPST Form A relay; current capacity 2A at 250V. $> 150,000$ operations at rated voltage/ current, resistive load
--------------	---

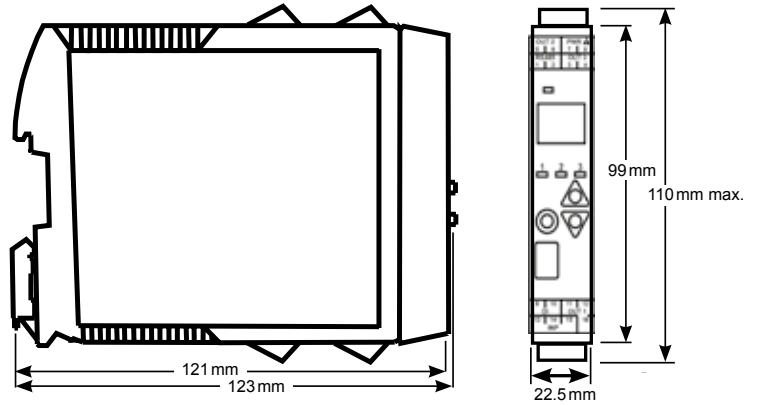
Operating and Environmental

Temperature & RH	0 to 55°C (-20 to 80°C storage), 20% to 95% RH non-condensing
Altitude	$< 2000\text{m}$
Power Supply	100 to 240V 50/60Hz (mains powered version) 24V DC/AC $+10\%/-15\%$, AC 50/60Hz (low voltage version)
Enclosure Protection	IP20
Standards	CE
EMI	Complies with EN61326 (Susceptibility & Emissions)
Safety Considerations	Complies with EN61010-1 & UL61010-1 Pollution Degree 2, Installation Category II
Weight	0.16kg excluding packaging (0.23kg including packaging)



ENGLISH

Dimensions



Ordering

Stock Number

1448684

1448683

Supply Voltage

110-240V ac

24V ac/dc

Number Outputs

1 x C/O Relay, 1 x Relay

1 x C/O Relay, 1 x Relay