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Features

- 3 WIRE (0 to 10) VOLT OUTPUT
- PC PROGRAMMABLE TEMPERATURE RANGE
- HIGH STABILITY
- INCLUSIVE OF CONNECTION HEAD & SENSOR

RS PRO TEMPERATURE TRANSMITTER (0 to 10) V OUTPUT

RS Stock No.: 0458495



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Temperature Transmitter

Product Description

This RS PRO product is a cost-effective digital in-head transmitter that accepts Pt100 temperature sensors and converts sensor output over a configured range to a standard industrial (0 to 10) V control signal. The output is linear to temperature.

PC configuration allows the user to select Range and Burnout direction, without requiring calibration equipment. Configuration Kit – Article 0458750

Configuration is performed quickly using our USB port-driven configurator by simply connecting two clips to the power terminals and following the software instructions. Calibration set up may be saved as a file on the PC for later use. Configuration Kit – Article 0458750

The transmitter will be shipped with the default range of (0 to 100) °C and upscale burnout.

General Specifications

Update time (Input)	500 ms
Response time (Output)	1 second to 70% of final value
Start-up time	4 seconds
Warm-up time	60 s to full accuracy
Default configuration	Pt100 (0 to 100) °C, upscale burnout
Connection terminals	3,4,5 (RTD) input; 1(+),2 (-) supply; terminal 6 (V out)

Mechanical Specifications

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Temperature Transmitter

Transmitter Specifications	
Dimensions	43.9 mm diameter; 24 mm height
Fixing centres	2 x 4.9 mm holes on 33 mm centres
Centre hole	6.35 mm hole for wiring aid
Weight	31 g
Terminals	Screw clamp
ABS Head Specifications	
Material	ABS
Colour	Grey
Material	ABS plastic with UV, UL rating HB: Grey
IP rating	IP67
Weight	100 g approximate (with low profile cap)
Sensor Specifications	
Immersion	50mm x 6 mm diameter
Head Thread	M24 x 1.5 mm
Media Temp	-50 to 250 °C
Sensor	Pt100 Class B, 3 wire
Material	Stainless Steel 316

Protection Category

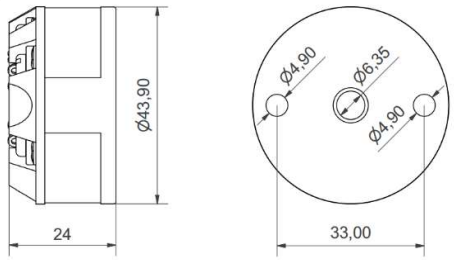
IP rating	IP67

Approvals

EMC	BS EN 61326: Note - Compliance tested with 3 m input wires
Ingress protection	BS EN 60529
RoHS Directives 2 & 3	2011/65/EU & EU 2015/863, and the UK designated standards

Dimensions in mm

Temperature Transmitter



Fixing holes 2 x Ø5.5 mm, Centre hole Ø4.5 mm

