DIN Rail Temperature Transmitter

Made in the UK

Description

A programmable DIN rail mount temperature transmitter which accepts RTD, Thermocouple, mV and passive current signals and converts them into the industry standard 4 to 20mA transmission signal.

The Transmitter has selectable Pt100 or Thermocouple ranges (K, J, E, N, T, R & S). It has a user push button trim, allowing adjustments at both 4 and 20 mA. The trim function can be locked during configuration if not required. The LED indicator displays out of range input during standard operation, as well as indicating the stages of trim.

Designed for easy use, a direct USB interface is fitted for quick and easy configuration. Just connect a standard micro USB cable between the transmitter and your PC and you're ready to go.

Please see page 2 for full Specifications:

Features

- Universal: Pt100, Thermocouple, mV, mA output
- Easy configuration via micro USB
- 4-20 mA two wire output
- Galvanic isolation
- Programmable burnout

Application

- Remote signal conditioner
- For connection to instrumentation systems that will not except T/C or RTD directly
- DIN rail mounting in safe areas

For more information visit:

sterlingsensors.co.uk

SterlingSensors
Temperature Sensing Technology

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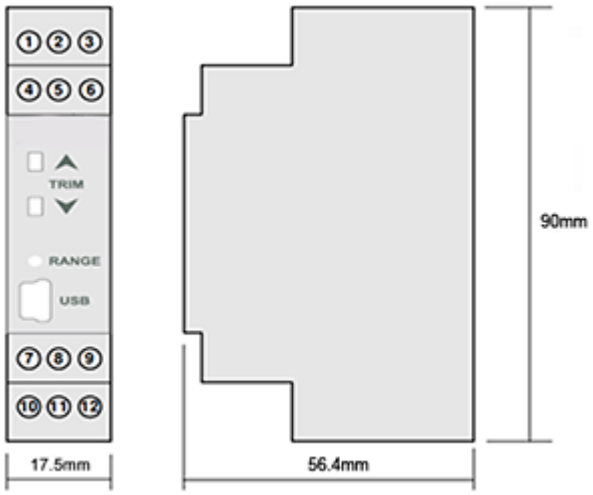
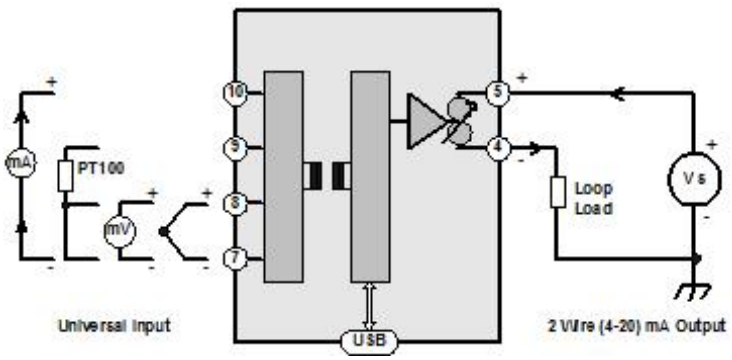
Additional Information





Specification

Product	DIN Rail Temperature Transmitter	
Sensor Type	RTD or Thermocouple	
Types	Range	Accuracy
	K - (-200 to 1370°C) J - (-100 to 1200°C) E - (-100 to 1000°C) N - (-180 to 1300°C) T - (-100 to 400°C)	0.1 % of FSR ±0.5 °C (type T 0.2 % FSR. ± 0.5 °C)
	R - (-10 to 1760°C)	± 0.5 °C ±0.1 % of FSR
	S - (-10 to 1760°C)	± 0.5 °C ±0.1 % of FSR
	P - (-200 to 850°C)	± 0.1 °C / ±0.05 % of rdg
	mV - (-40 to 75 mV)	± 0.04 mV
	mA (-10 to 25 mA) (4 to 20 mA)	± 0.008 mA
Dimensions	W 17.5 x D 56.4 x L 90 mm	
Output	4 to 20 mA	
Response Time	< 500 ms to reach 95 % of final value (Start-up time < 3 s)	
Isolation	Input to output tested at 500 V dc	
Ambient Temperature	Operating (-20 to 70 °C) Storage (-40 to 85 °C)	
Power Supply	Supply (11 to 30) V dc, 24 V nominal giving Max loop load of 600 R @ 24 V	
Part Number	IXDRT	

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