Product Features

- *DIN 46277 rail-mounted*
- *RTD Copper 10 Ohm Input*
- *Highest Accuracy*
- *High Quality*
- *Factory Calibrated*
- *Small Size*

Description

The Model RT610D is one of the most compact 2-wire loop powered DIN rail-mounting transmitters available. RT610D series temperature transmitters feature linearized output to temperature for 10 ohm copper RTDs. The wide temperature range, low cost and stocked availability make the RT610D an excellent choice for temperature signal transmission.

Precision 20-turn potentiometers allow fine adjustement for ZERO and SPAN. They are factory calibrated and designed for highest performance and lowest cost. Standard DIN rail-mounted package allowas for compact assembly and easy wiring in panels.

Specifications

@ Vnom : 24 VDC, T.ambient = 25°C
Span nom.: RTD (Cu10) = 100 °C

Output :	4-20 mA two wire
Power Supply :	12-36 VDC, polarity protected
Supply Voltage Effect :	± 0.002 % / V
Open Circuit Detection :	Up scale, greater than 23 mA, limited to 40 mA.
Load Capability :	Rmax.=(Vsupply - 12 V) / 20 mA
Zero Drift :	± 0.05% / °C
Span Drift :	± 0.05% / °C
Ambient Operating Temperature :	-40 to +70 °C (-40 to +158°F)
Storage Temperature :	-40 to +85 °C (-40 to +185°F)
Zero and Span Adjustment :	20 turn potentiometer
	± 25% for zero and span
Input :	Copper 10 Ohm RTD 3-wire
Linearity to Temperature :	± 0.1% or better
Excitation Current :	0.2 mA

Ordering Information

Model	Range
RT610D	(/)

Ex : **RT610D - (0/100)**
  RTD transmitter, 0 -100°C range

Dimensions

2.44" [62]   .71" [18]   .42" [10.5]   2.50" [65]
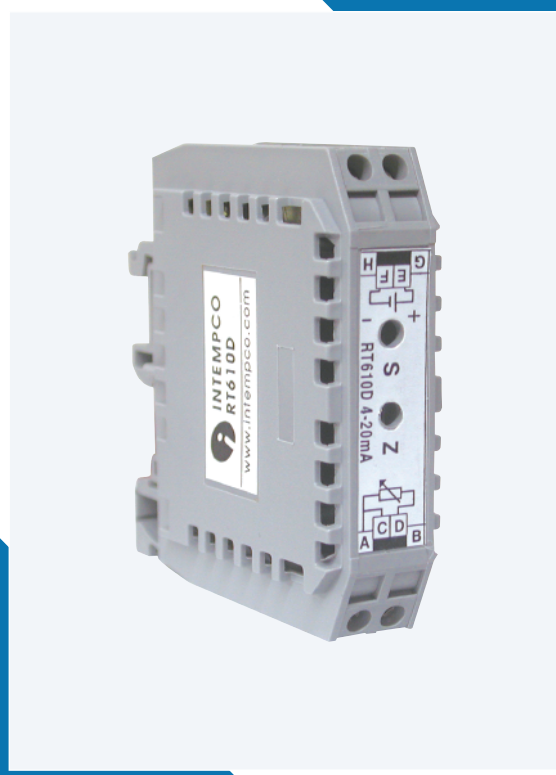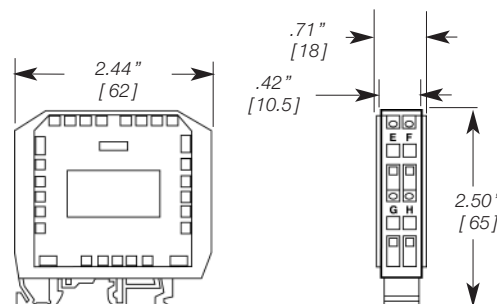
Standard Ranges

°C	(°F)	Cu 10 Ohm
-50 / +50	(-58 / +122)	•
0 / +50	(32 / +122)	•
0 / +100	(32 / +212)	•
0 / +200	(32 / +392)	•
0 / +250	(32 / +482)	•

For non standard ranges, specify range