

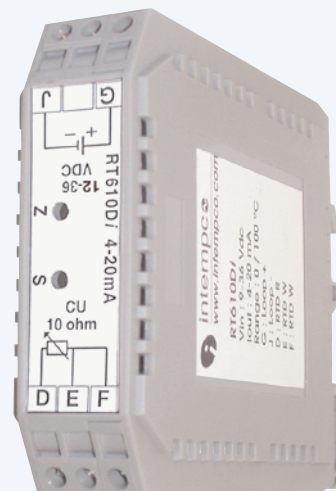
Product Features

- DIN rail-mounted
- RTD Copper 10 Ohm Input
- High Quality
- Factory Calibrated
- Isolation to 1000 VDC

Description

The Model RT610Di is a high quality isolated 10 ohm copper RTD transmitter. It completely eliminates ground loop and other associated problems. Combined with SMD technology it provides full input/output isolation to 1000 VDC. RT610Di series temperature transmitters feature linearized output to temperature for 10 ohm copper RTD's. The wide temperature range, low cost and stocked availability make the RT610Di an excellent choice for temperature signal transmission.

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



Specifications

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

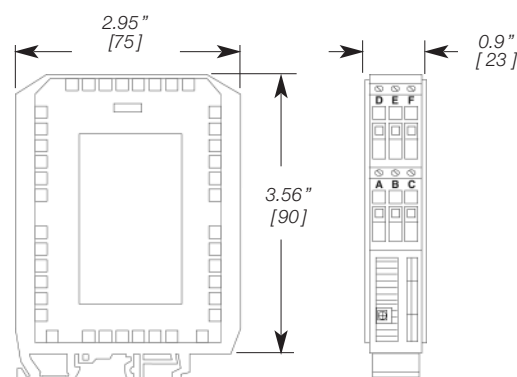
Output :	4-20mA two wire isolated
Power Supply :	12-36 VDC, polarity protected
Supply Voltage Effect :	±0.002 % / V
Galvanic Isolation :	1000 VDC (AC peak) isolation
Open Circuit Detection :	Up scale, greater than 23 mA, limited to 40 mA.
Load Capability :	$R_{max} = (V_{supply} - 12V) / 20mA$
Zero Drift :	±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
RT610Di	(/)

Ex : **RT610Di - (0/100)**
RTD transmitter, 0 -100°C range

Dimensions



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