

Product Features

- 0-5VDC or 0-10VDC output
- Linearized output to temperature
- Input RTD Pt100 with 3-wire compensation
- Analog design, potentiometer adjustable
- Factory calibrated for fixed range
- DIN Rail-Mounted

Description

The RT711D Series analog 3-wire temperature transmitters offer the most effective price/performance ratio in the industry. Factory calibrated for fixed range, they provide a 0-5 or 0-10VDC output linearized to temperature for Pt100. The wide temperature range and stocked availability make the RT711D an excellent choice for temperature signal transmission.

Precision 20-turn potentiometers allow fine adjustment of ZERO and SPAN. RT711D transmitters are of high quality, very accurate, completely linearized and fit into industry standard connection heads.

Specifications

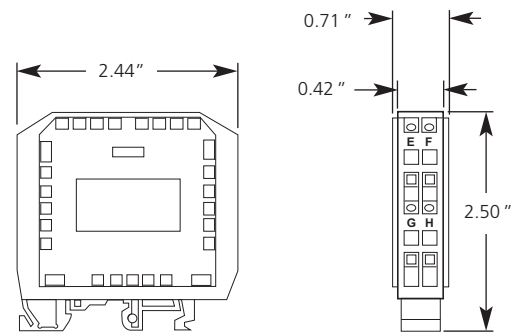
@Vnom = 24 VDC, T.ambient = 25°C, Span nom. = 100 °C

Input :	Pt100, 3-wire, $\alpha=0.00385$, DIN EN 60751
Output :	0-5VDC or 0-10VDC, linear to temperature
Linearization :	$\pm 0.01\%$ FS
Power Supply :	12-32VDC, polarity protected
Supply Effect :	0.02 %/V
Zero Drift :	$\pm 0.05\%$ FS/°C
Span Drift :	$\pm 0.05\%$ FS/°C
Long Term Drift :	$\pm 0.05\%$ FS/year
Excitation Current RTD :	0.8mA
Sensor Lead Resistance RTD :	500 ohm max.
Accuracy :	0.1 % FS (includes effects of linearity, hysteresis and repeatability)
Span/Zero Adjustment :	20 turn potentiometer, $\pm 10\%$ for zero and span
Maximum Loop Resistance :	$R_{max} = [V_{supply} - 9VDC] / 20mA$
Warmup :	30 seconds
Ambient Operating Temperature :	-40°C.....80°C (-40°F....176°F)
Storage Temperature :	-40°C.....80°C (-40°F....176°F)
DIN Rail :	DIN 46277
Housing Material :	Polyamide
Housing Dimensions :	2.44" W x 2.50" H x 0.71" D

- Information furnished by Intempco is believed to be accurate and reliable. However, no responsibility is assumed by Intempco for its use.
- Specifications subject to change without notice.



Dimensions



Temperature Standard Ranges		Input
°C	(°F)	Pt100 (P)
-50/+50	(-58/+122)	•
0/+50	(32/+122)	•
0/+100	(32/+212)	•
0/+200	(32/+392)	•
0/+300	(32/+572)	•
0/+400	(32/+752)	•
0/+600	(32/+1112)	•

For non-standard temperature ranges, specify range

Output	Code
0-5VDC	VA
0-10VDC	VD

Custom Builder

Model	Input Code	Output Code	Range
RT711D	P	VA, VD	(___ / ___)

Ex.: RT711D - P - VA - (0/100°C)