

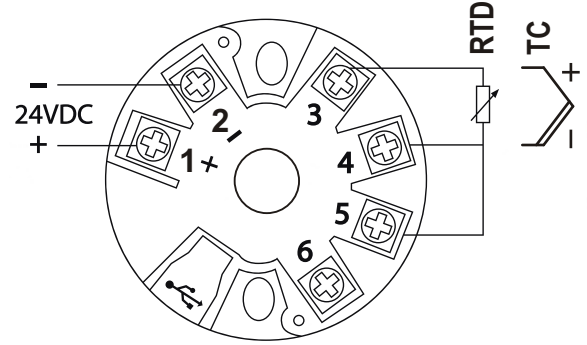
TT15

2- Wire Programmable Temperature Transmitter



Wide Range Power Supply (12...40VDC)
Wide Range Working Temperature (-40...+80°C)
16 Bit Input Resolution
100 ms Sampling Period
High Output Accuracy
Compatible for DIN43729 Form B Sensor Head
Protected for Cross Connection
Selectional Input Types (RTD and Thermocouple Types)
Adjustable Temperature Range
4-20mA or 20-4mA Optional Output
2 Years Warranty for Manufacturing Errors

CONNECTION DIAGRAM



TECHNICAL SPECIFICATIONS

Power Supply	12...40 VDC
Analog Input Types	Thermocouple : B,E,J,K,N,R,S,T, Resistance Thermometer :Cu50, PT100
Analog Input Impedance	10MΩ
Input Resolution	16 Bit
Sampling Period	100 ms
Analog Output	4-20mA, 20-4mA
Output Resolution	0,1°C
Accuracy (Tamb=25°C)	PT100 : ±0,2%MV±0,3°C(Typ) T/C : ±0,2%MV±1°C (Typ)
Thermal Drift	±100ppm/°C (Typ)
Galvanic Isolation	NO
Memory	100 Years, 100.000 Renewal
Working Temperature	-40...+80°C
Protection Class	IP 00
Dimension	Diameter : 45 mm Height : 21 mm
Weight	26gr

Sensor Type	Standard	Temperature Range	Min. Measuring Range
		(°C)	(°C)°
Cu-50 Resistance Thermometer	IEC751	-50 to 150	10
Pt-100 Resistance Thermometer	IEC751	-200 to 850	10
Type-B Thermocouple	IEC584-1	400 to 1800	500
Type-E Thermocouple	IEC584-1	-100 to 1000	50
Type-J Thermocouple	IEC584-1	-100 to 1200	50
Type-K Thermocouple	IEC584-1	-180 to 1372	50
Type-N Thermocouple	IEC584-1	-180 to 1300	50
Type-R Thermocouple	IEC584-1	-50 to 1760	500
Type-S Thermocouple	IEC584-1	-50 to 1760	500
Type-T Thermocouple	IEC584-1	-200 to 400	50