ECTC-TR-I — 2 - Wire Programmable Temperature Transmitter

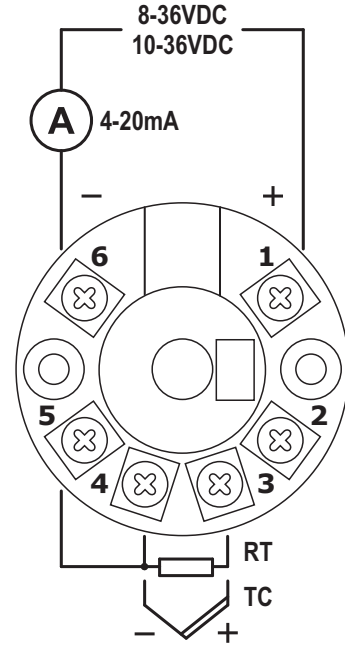8-36VDC
10-36VDC

(A) 4-20mA

6 1
5 2
4 3

RT
TC
− +

FEATURES

- 2 Wire Programmable Temperature Transmitter for Pt100 and 10 T/C types
- Extremely high measurement accuracy
- DIN form B sensor head mounting
- No external power supply required for configuration
- Robust Terminals and rugged design
- USB configuration with USB/UART convertor cable
- Easy-to-use Windows configuration software CoNi01
- Only 44 mm / 20 mm height
- Temperature linear output 4 to 20 or 20 to 4 mA
- Sensor Error Level can be adjusted for highest accuracy
- Filter Timing constant can be adjusted
- Full access to all features while in operation
- Model ECTC-TR-I is galvanically isolated (1500 VDC)
- Model ECTC-TR is economical price in case not need isolation
- Highest Reliabilty and excellent industrial performance
- Protection against external EMC noise

TECHNICAL SPECIFICATIONS

Power Supply	10...36 VDC for ECTC-TR-I, 8...36 VDC Model for ECTC-TR
Analog Inputs	Thermocouple : B,E,J,K,L,N,R,S,T,U
	Resistance Thermometer : Pt100
Analog Input Impedance	Thermocouple : 10MΩ
Analog Output	4-20mA or 20-4
Output Accuracy (+/-)	0,2 %
Resolution	16 Bit
İsolation	ECTC-TR-I 1500 VDC Galvanic İsolation , ECTC-TR: No
Memory	100 years, 100.000 update
Sampling Rate	200 ms
Response Time	0,2 ...120,0s (Programmable)
Operating Temperature	-40 to +85ºC
IP Class	IP 00
Dimensions	Diameter : 44 mm · Height : 20 mm
Weight	40gr

ORDERING INFORMATION

- **ECTC-TR** : 2 wire Programmable Temp.Trx with NO Isolation
- **ECTC-TR-I**: 2 wire Programmable Temp.Trx with 1500 VDC Galvanic Isolation
- **CA02** : USB-UART Cable for comminucation with CoNi01 Software

Sensor Type	Standard	Temperature Range	
		(°C)	(°F)
Pt-100 Resistance Thermometer	IEC751	-200 to 840	-328 to1544
Type-B Thermocouple	IEC584-1	60 to 1820	140 to 3308
Type-E Thermocouple	IEC584-1	-200 to 840	-328 to 1544
Type-J Thermocouple	IEC584-1	-200 to 1120	-328 to 1562
Type-K Thermocouple	IEC584-1	-200 to 1360	-328 to 2480
Type-L Thermocouple	DIN43710	-200 to 900	-328 to 1652
Type-N Thermocouple	IEC584-1	-200 to 1300	-328 to 2372
Type-R Thermocouple	IEC584-1	-40 to 1760	104 to 3200
Type-S Thermocouple	IEC584-1	-40 to 1760	104 to 3200
Type-T Thermocouple	IEC584-1	-200 to 400	-328 to 752
Type-U Thermocouple	DIN43710	-200 to 600	-328 to 1112

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