

ECTC-TR-I

2 - Wire Programmable Temperature Transmitter



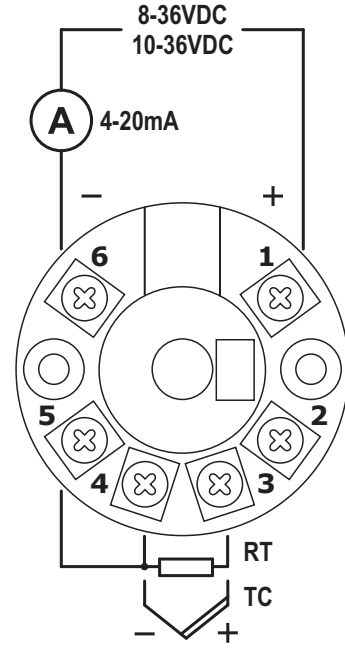
FEATURES

- 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 Reliability and excellent industrial performance
- Protection against external EMC noise

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 communication with CoNi01 Software

CONNECTION DIAGRAM



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 | |
| Isolation | ECTC-TR-I 1500 VDC Galvanic Isolation , ECTC-TR: No | |
| Memory | 100 years, 100.000 update | |
| Sampling Rate | 200 ms | |
| Response Time | 0,2 ... 120,0s (Programmable) | |
| Operating Temperature | -40 to +85°C | |
| IP Class | IP 00 | |
| Dimensions | Diameter : 44 mm | Height : 20 mm |
| Weight | 40gr | |

| Sensor Type | Standard | Temperature Range | |
|-------------------------------|----------|-------------------|--------------|
| | | (°C) | (°F) |
| Pt-100 Resistance Thermometer | IEC751 | -200 to 840 | -328 to 1544 |
| 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 |