

Nico
Technology

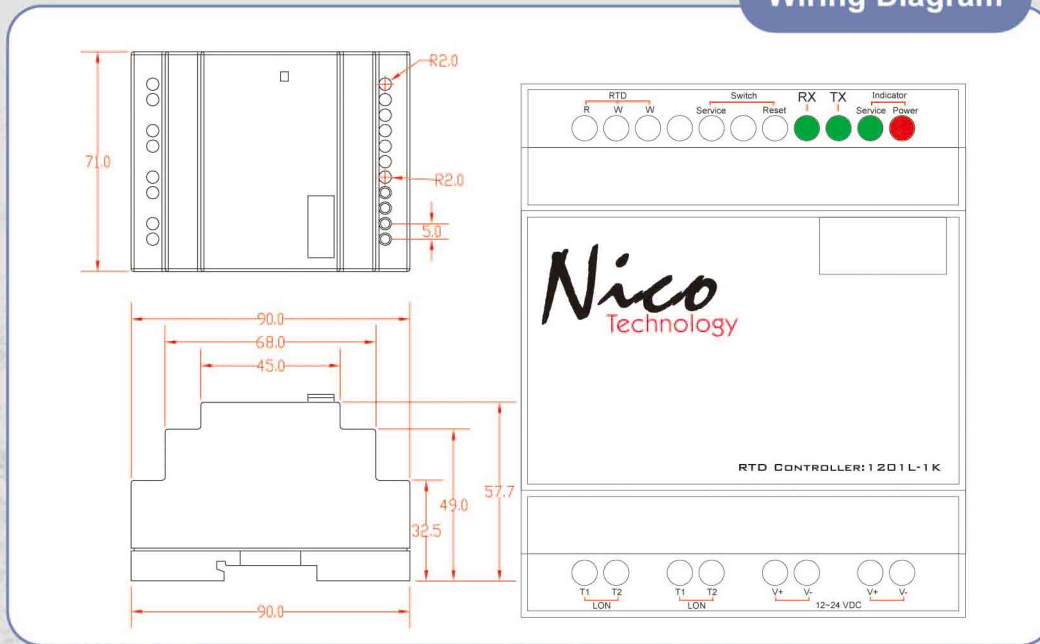


RTDController

1201L-1K RTD Controller is popular for temperature measurement. The 1201L-1K RTD Controller provides single RTD input channel for different types of RTD signal as a cost-effective solution in industrial & building automation. Occasionally, broken external wiring will lead to inaccurate current value. The 1201L-1K provides a broken wiring detection function so users can easily troubleshoot broken wiring problems.



Wiring Diagram



Specifications

Model: 1201L-1K RTD Controller	
CPU: Echelon Neuron 3120,10MHz	
Memory: 4 Kbytes EPROM,2Kbytes RAM, 12Kbytes ROM	
LonWorks Transceiver: FTT-10A/FT-X1	
Power supply: 12~ 24VDC (12VDC is recommend)	
Power consumption: 500mA(Per channel maximum)38mA(Standby)	
Connection: Plug-screw clamp 2.5mm	
Temperature: Operation	0 ~ +70
Storage	25 ~ +85
Sensor Type: Pt 1000 resistance measuring	
Sensor Connection: 3-wire connection (factory preset) or 2-wire	
Sensor Temperature range: -220°C ... +239°C (Pt)	
Resolution: 0.04°C	
Measuring error: ± 1.5°C of full scale value	
Conversion time: 500ms (per channel)	
Admitted relative humidity: 5 ~ 93%, non condensing	
Dimensions: 90 x 71 x 57.7 mm,DIN 43880, incl. clamps	
Mounting: DIN rail(EN 50022, 35 x 15)	
Display & Operation: Service-pin and Reset LED indicator and button	
I/O Channels: 1 RTD (resistive temperature device) input for Pt1000	

Features:

- The RTD (resistive temperature device) input module
- Allows direct connection for resistance measurement 2 or 3 wire
- The module linearizes the entire temperature range automatically
- Resistance Measuring :Pt1000
- Sensor Temperature range: -220 °C ... +239 °C (PT)
- Resolution (over whole range): 0.04 °C
- Conversion time: 500 ms (per channel)
- Measuring error ± 1.5°C of full scale value
- Operating temperature: 0 °C ~ +70 °C (Controller) ,
-40°C ~ +70 °C (Sensor)