

Temperature Input Units

GT1-TS04□

Temperature Input Units for use with MULTIPLE I/O TERMINAL

- Four inputs.
- Thermocouples and platinum resistance thermometer models are available.
- Conversion time is only 250 ms for 4 inputs.
- The Configurator can be used to calibrate temperatures.
- The circuit section can be removed, so rewiring isn't required during maintenance.
- DIN track mounting.



Ordering Information

I/O classification	I/O points	I/O connections	Power supply voltage	Input specification	Model
Temperature inputs	4 inputs	Terminal Block	24 VDC	Thermocouple	GT1-TS04T
				Platinum resistance thermometer	GT1-TS04P

General Specifications

I/O power supply voltage	20.4 to 26.4 VDC (24 VDC -15%/+10%)	
Current consumption	I/O Unit interface	Internal power supply
	50 mA max.	80 mA max.
Vibration resistance	10 to 150 Hz, 0.7-mm amplitude or 50 m/s ²	
Shock resistance	150 m/s ²	
Dielectric strength	500 VAC	
Mounting method	DIN 35 mm-track mounting	
Ambient operating temperature	-10°C to 55°C	
Ambient operating humidity	25% to 85% (with no condensation)	
Ambient storage temperature	-25°C to 65°C	
Accessories	I/O Unit Connecting Cable (40 mm)	

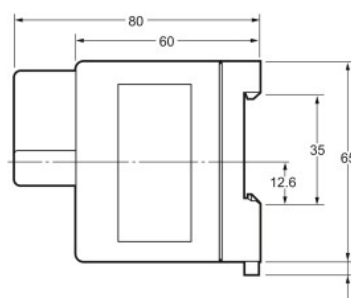
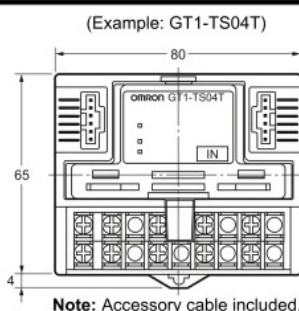
Input Specifications

Item	Model	GT1-TS04T	GT1-TS04P
Input type		R, S, K, J, T, L, or B selectable	Pt100 or Jpt100 selectable
Indicator accuracy		(±0.3% of indication value or ±1°C, whichever is larger) ±1 digit max. *	-200.0 to 650.0°C input range: (±0.3% of indication value or ±0.8°C, whichever is larger) ±1 digit max. -200 to 200°C input range: (±0.3% of indication value or ±0.5°C, whichever is larger) ±1 digit max.
Conversion cycle		250 ms/4 points	
Temperature conversion data		Binary data	
Insulation method		Between input and communication lines: Photocoupler insulation Between temperature input signals: Photocoupler insulation	

* K or T below -100°C: +2°C ±1 digit max. L: ±2°C ±1 digit max.
R or S below 200°C: ±3°C ±1 digit max. B below 400°C: No standard set

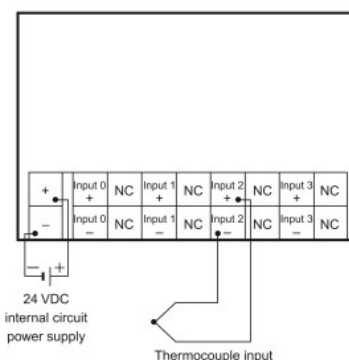
Dimensions

GT1-TS04T
GT1-TS04P

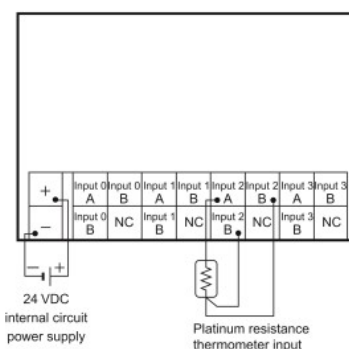


Wiring Diagrams

GT1-TS04T



GT1-TS04P



(Unit: mm)