TP02 DIN-Rail Type of Temperature Transformer

PRODUCT APPLICATION

Features

- RTD design for IC, high accuracy
- Small volume, reduce the inside space for installation
- Higher quality and lower price
- Stable DIN rail and quick installation

Application

- Long distance control for temperature signal
- Heating / ventilation / air condition technology / cooling circuits / water / electricity and other project.
- Agriculture / green house/ environmental engineering / food / pharmaceutical processing equipment

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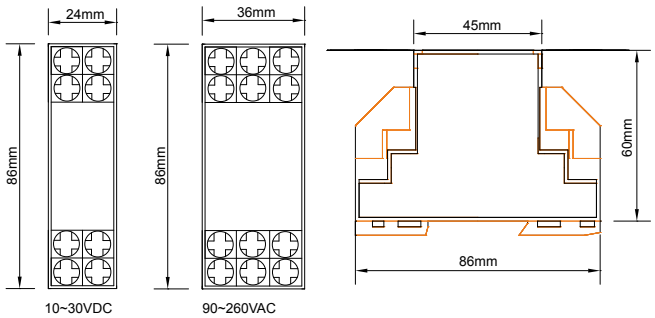
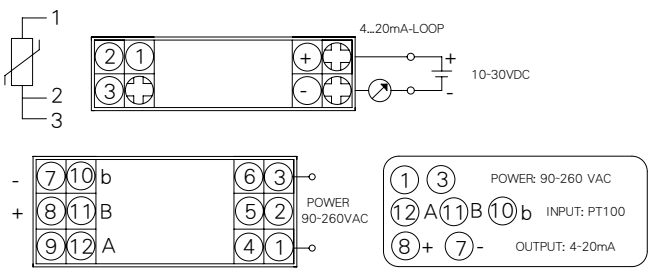
Installation	Function	Input	Output	Power Supply	Temperature Range
02 : DIN rail type	1 :Single set	1 : PT100Ω (3-wire)	1 : 4~20mA	0 : 10~30VDC 2-wire (Loop power) 2 : 90~260VAC	1 : -50~+50°C 2 : -50~0°C 3 : 0~50°C 4 : 0~100°C 5 : 0~200°C W : Special span

Dimension



Connection Diagram



Technique Sheet

Input

Input signal ..... PT 100Ω (3-wire)
Input cable resistance ..... ≤ 50 Ω / wire
PT100Ω sensor current ..... < 0.8mA
PT100Ω effect of sensor cable resistance ..... 0.001Ω / Ω
ZERO adjustment range ..... ±10 %
SPAN adjustment range ..... ±10 %

Output

Output type ..... 4 ~ 20 mADC (2-wire)
Accuracy ..... ± 0.1 % FS
Load resistance ..... ≤ (supply voltage-8V) / 0.02A Ω
Load resistance stability ..... ± 0.05% / 100Ω
Power supply stability ..... ± 0.025% / V
Thermal drift ..... < ± 0.015% fs / °C
Calibration temperature ..... 20~28°C
Response time ..... < 250 ms

Protection

PT100Ω signal disconnection, output ..... > 23mA
PT100Ω signal short circuit, output ..... < 3mA
Output signal with polarity protection ..... YES

Electrical regulation

Power supply ..... 10 ~ 30 VDC / 90~260 VAC
Operation frequency AC47-63Hz
Working ambient ..... -20~60°C, 0~95%rh (non-condensing)
Protection class ..... IP 30 (housing) ; IP 00 (terminal)
Housing ..... ABS