

Temperature Transmitter for DIN-rail Type



Application

1. Monitoring for long-distance temperature signal transmission.
2. For industries in heating / ventilation / air conditioning / cooling / water power / electricity, etc.
3. For process in agriculture / green house / environmental engineering / food / pharmaceutical industry.

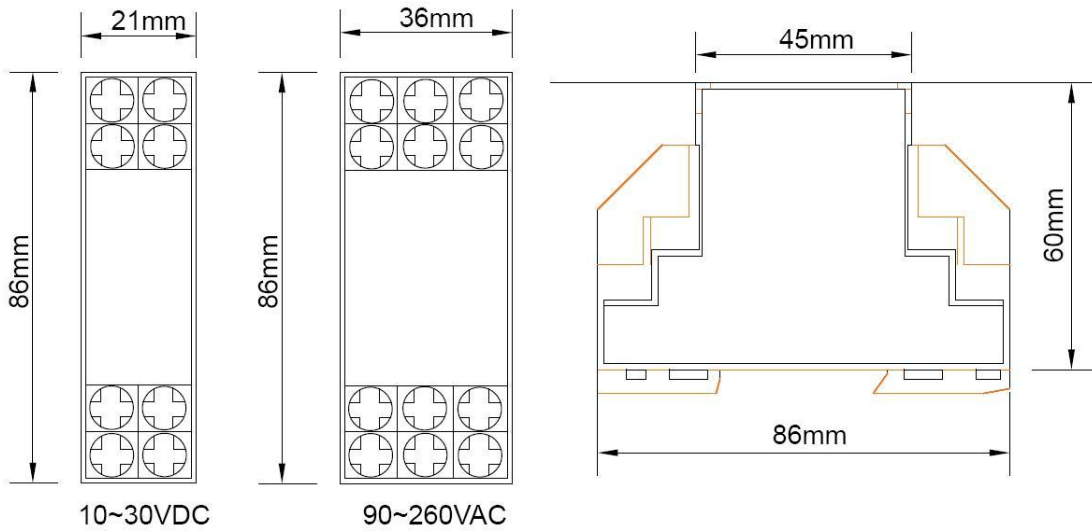
Features

1. Special IC for RTD; high accuracy is assured.
2. TP02 with smaller volume so lesser space for installation is required.
3. High quality and low price.
4. DIN-rail type; quick to install.

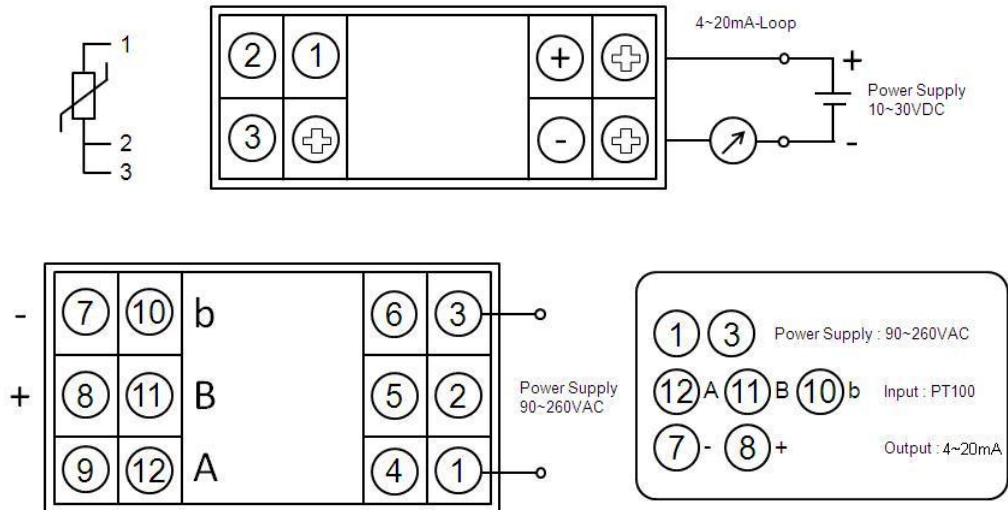
Standard Specification

INPUT	
Input	PT 100Ω (3-wire)
Cable resistance	≤ 50 Ω (3 wires with the same resistance)
PT100Ω sensor current	< 0.8mA
ZERO adjustment range	±10 %
SPAN adjustment range	±10 %
OUTPUT	
Output	4~20 mA ; 2-wire
Accuracy	±0.1 % of F.S.
Load resistance	≤ (supply voltage - 8 V) / 0.02A Ω
Load resistance stability	±0.05% / 100Ω
Power supply stability	±0.025% / V
Temperature drift	< ±0.015% FS / °C
Calibration temperature	20~28°C
Response time	< 250 ms
PROTECTION	
PT100Ω signal disconnection protection & output	>23mA
PT100Ω signal short circuit, protection & output	< 3mA
Output polarity protection	Yes
ELECTRICAL SPECIFICATION	
Power supply	10~30 VDC / 90~260VAC
Operation frequency	AC47-63Hz
Working environment	-20~60°C ; 0~95% RH (non-cond.)
Protection degree	housing IP30 ; terminal IP10
Housing	ABS

External Dimension



Diagram



Order information

MTP **02** - **1** **1** **1** **0** - **1**
A **B** **C** **D** **E** **F**

(A) Installation	(B) Function	(C) Input	(D) Output	(E) Power Supply	(F) Temperature Range	
02 : DIN-rail way	1 : 1-channel	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

Contact

Taipei World Trade Center

Add: 3C25, Taipei World Trade Center, No. 5, Sec. 5, Hsin Yi Rd. Taipei Taiwan, R.O.C.

Tel: 886-2-27206601 (Rep.)

Fax: 886-2-23455120

E-mail: gitta@ms9.hinet.net

<http://www.maxthermo.com>

Factory

Add: 11F., No.168, Jiankang Rd., Zhonghe Dist., New Taipei City 235, Taiwan (R.O.C.)

Tel: 886-2-22287950 (Rep.)

Fax: 886-2-22286140

Thailand Office - THAI MAXIMUM ELECTRONIC CO., LTD

Add: 86/132-133 m.7 Samaedum Bangkoontien Bangkok 10150 Thailand.

Tel: +662-415-8318 , +662-417-2548-49

Fax: +662-415-8798

<http://www.thaimaximum.com>