

MMT Thermocouple Temperature Digital Meter

AC&M

■ FEATURES

- Dual analog outputs (Isolated)
- Dual RS 485 MODBUS RTU (Isolated)
- Selectable input type: K-E-J-T-R-S
- Malfunction Indicator
- Switch between °C / °F
- Small Size (Depth< 90mm)



MMT - [code1] - [code2] - [code3] - [code4] - [code5]

Code1	Input Signal	Code2	Alarm Function	Code3	Output Signal1	Code4	Output Signal 2	Code5	Aux.Power
K	K Type -270~1370°C/ -520~2500°F	2	2 Alarm Setting	1	DC 0~10mA	3	Same as output1	1	AC 110/220V
E	E Type -270~800°C/ -520~1500°F	4	4 Alarm Setting	2	DC 0~20mA	6	RS-485	2	AC 220V
J	J Type -210~760°C/ -410~1300°F	0	None	3	DC 4~20mA	8	RS-485 (Dual)	3	DC 22~72V
T	T Type -210~400°C/ -410~760°F			4	DC 0~5V	0	None	6	AC/DC 85~265V
R	R Type 0~1700°C/ 32~3100°F			5	DC 1~5V	Y	Other	Y	Other
S	S Type 0~1700°C/ -32~3100°F			6	DC 0~10V				
				0	None				
				Y	Other				

SPECIFICATIONS:

INPUT:

Input Resistance : $\geq 20M\Omega$.

OUTPUT & DISPLAY:

DC Current: 0 – 20 mA DC

Load resistance drive: output drive 10 VDC maximum

Output	Load Resistance
0 – 10 mA :	1000 Ω
0 – 20 mA :	500 Ω
4 – 20 mA :	500 Ω

DC Voltage: 0 – 10 V DC

Load resistance drive: output drive 5 mA maximum

Output	Load Resistance
0 – 5 V :	1 K Ω
1 – 5 V :	1 K Ω
0 – 10 V :	2 K Ω

Output Response Time : ≤ 1 Sec.

Digital Output Load : RS-485 Output, 1200,2400,4800,9600,19200 Baud Rate, User Selectable.

Display Range : 0.56" High Brightness RED LED , 5 Digits, -19999 ~ 99999 Counts , Resolution 0.1°C.or °F.

INSTALLATION & PERFORMANCE:

Accuracy : 0.2%FS + 0.3°C at 23°C ± 3 °C.

Break Detection : 19999 Flash.

CJC : ≤ 0.03 °C/°C, Within 0 ~ 40°C.

Setting Function : 4 Alarm Setting Setting Function(Hi or Lo) User Selectable

Setting Range : ± 19999 Counts User Selectable.

Dead Band : 0 ~ 9999 Counts User Selectable.

Time Delay : 0 ~ 999 Sec. User Selectable.

SPDT Capacity : AC 120V 5A, 250V 3A, DC 24V 3A.

Dielectric Strength : 2KV AC / Min Between Input / Power / Case.

Impulse : 5 KV 1.2x50 uS, ANSI C37.90a / 1983.DIN IEC 255 – 4

Stability : ≤ 0.2 %/Year.

Temperature Coefficient : ≤ 60 ppm / °C From 0 ~ 60°C ; ≤ 50 ppm/25°C ± 5 °C.

Operating Condition : -10°C ~ +55°C 20 ~ 95% RH Non-Condensed.

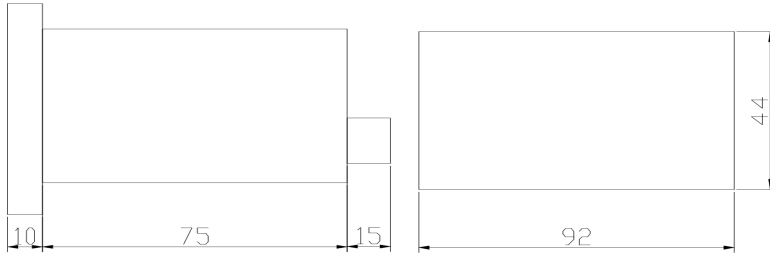
Storage Condition : -40°C ~ +75°C 20 ~ 95% RH Non-Condensed.

Power Supply : AC or DC ± 20 %, 50 / 60Hz.

Outline Dimension : 1/8 DIN 96W X 48H X 100 D mm.

Mounting : Panel Flush Mounting.

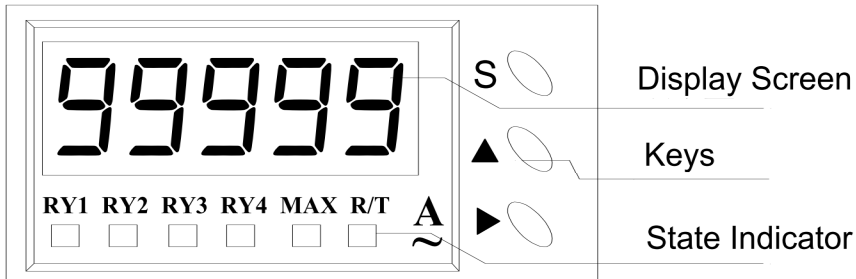
■ Dimension (mm)



SIDE-VIEW

CUT-OUT

■ Panel Keys



■ Connection Diagram

