

MMD DC Current, Voltage Digital Meter



An ISO 9001:2008 Company



FEATURES

- Programmable for Output & Display
 - RS 485 MODBUS RTU
 - 2 or 4 Alarm Setting Function
 - Small Size (Depth < 90mm)
 - Selectable Sampling Speed: (High/Medium/Low)
- *Sampling speed is determined by the buffer size.
Buffer size=The number of measurements for RMS.

MMD Code 1 - Code 2 - Code 3 - Code 4 - Code 5

Code 1	Input Signal	Code 2	Alarm Setting	Code 3	Output 1	Code 4	Output 2	Code 5	Aux. Power
1	DC 0~2V	2	2 Alarm Setting	1	DC 0~10mA	6	RS 485	1	AC 110/220V
2	DC 0~20V	4	4 Alarm Setting	2	DC 0~20mA	0	None	2	AC 220V
3	DC 0~200V	0	None	3	DC 4~20mA	Y	Other	3	DC 22~72V
4	DC 0~600V			4	DC 0~5V			6	AC/DC85~265V
5	Shunt X / 50mV			5	DC 1~5V			Y	Other
6	Shunt X / 60mV			6	DC 0~10V				
7	DC 0~2A			0	None				
8	DC 0~10A			Y	Other				
Y	Other								

SPECIFICATIONS:

INPUT:

Input Impedance : Voltage Input $\geq 1M\Omega$, Current Input $\leq 75\Omega$.

OUTPUT:

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. (programmable per 100ms/unit)

Output Protection : Without Damage for Output Open or Short Circuit.

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

Display Range : 0.56" High Brightness RED LED , 5 Digits, -19999 ~ 99999Counts

INSTALLATION & PERFORMANCE:

Accuracy : 0.1%FS + 2 Counts at 23°C $\pm 3^\circ\text{C}$.

Setting Function : 4 Alarm Setting Function, Setting Function (Hi-Lo) User Selectable.

Setting Range : -19999 ~ 99999 Counts

Dead Band : 0 ~ 9999 Counts.

Time Delay : 0 ~ 999 Sec. User Selectable.

SPDT Capacity : AC 120V 3A, DC 30V 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 : $\leq 0.2\%$ /Year.

Temperature Coefficient : $\leq 60\text{ppm}/^\circ\text{C}$ From 0 ~ 60°C ; $\leq 50\text{ppm}/25^\circ\text{C} \pm 5^\circ\text{C}$.

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

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

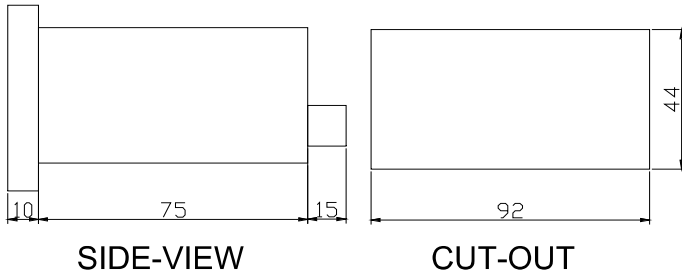
Power Supply : AC or DC $\pm 20\%$, 50 / 60Hz.

Consumed Power : $\leq 3\text{VA}$, PF = 1

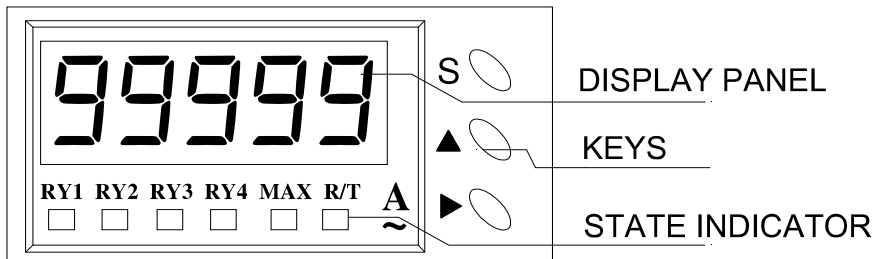
Outline Dimension : 1/8 DIN 96W X 48H X 100D mm.

Mounting : Panel Flush Mounting.

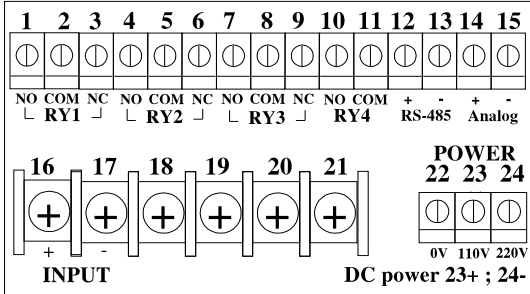
■ Dimension (mm)



■ Panel Keys



■ Connection Diagram



All Specifications are subject to change without prior notice.



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