

■ FEATURES

- Dual analog outputs (Isolated)
 - Dual RS 485 MODBUS RTU (Isolated)
 - Programmable CT ratio
 - 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.



MMA - [code1] - [code2] - [code3] - [code4] - [code5] R.M.S

MMAR - [code1] - [code2] - [code3] - [code4] - [code5] T.R.M.S

Code1	Input Signal	Code2	Alarm Function	Code3	Output Signal1	Code4	Output Signal 2	Code5	Aux.Power
1	X / 5A	2	2 Alarm Setting	1	DC 0~10mA	3	Same as output1	1	AC 110/220V
2	X / 1A	4	4 Alarm Setting	2	DC 0~20mA	6	RS-485	2	AC 220V
3	0 ~ 10A	0	None	3	DC 4~20mA	8	RS-485 (Dual)	3	DC 22~72V
Y	Other			4	DC 0~5V	0	None	6	AC/DC 85~265V
				5	DC 1~5V	Y	Other	Y	Other
				6	DC 0~10V				
				0	None				
				Y	Other				

SPECIFICATIONS:

INPUT:

Input Frequency : 45 ~ 70Hz.
Input Burden : 0.25VA at 60Hz.
Input Over : Normal AC 5A, Current Over 20A Continuous

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

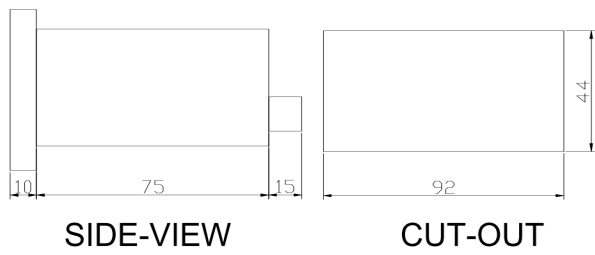
Output	Load Resistance
0 – 5 V :	1 KΩ
1 – 5 V :	1 KΩ
0 – 10 V :	2 KΩ

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..

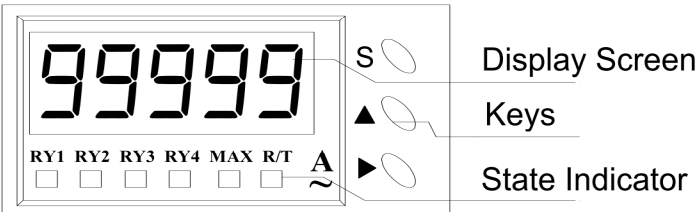
INSTALLATION & PERFORMANCE:

Accuracy : 0.15%FS+1 Counts. Avg. Typically at 23°C±3°C. 0.25%FS+1 Counts. TRMS Typically at 23°C±3°C.
Setting Function : 4 Alarm Setting, Setting Function(Hi or Lo) User Selectable.
Setting Range : -19999 ~ 99999 Counts User Selectable.
Dead Band : 0 ~ 9999 Counts User Selectable.
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 : ≤0.2%/Year.
Temperature Coefficient : ≤60ppm / °C From 0 ~ 60°C ; ≤50ppm/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.
Consumed Power : ≤3VA, PF – 1
Power Supply : AC or DC ±20%, 50 / 60Hz.
Outline Dimension : 1/8 DIN 96W X 48H X 100D mm.
Mounting : Panel Flush Mounting.

■ Dimension (mm)



■ Panel Keys



■ Connection Diagram

