

■ FEATURES

- Dual analog outputs (Isolated)
 - Dual RS 485 MODBUS RTU (Isolated)
 - DC current and voltage inputs
 - 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 - [code1] - [code2] - [code3] - [code4] - [code5]

| Code1 | Input Signal | Code2 | Alarm Function | Code3 | Output Signal1 | Code4 | Output Signal 2 | Code5 | Aux.Power |
|-------|----------------|-------|-----------------|-------|----------------|-------|-----------------|-------|---------------|
| 1 | DC 0~2V | 2 | 2 Alarm Setting | 1 | DC 0~10mA | 3 | Same as output1 | 1 | AC 110/220V |
| 2 | DC 0~20V | 4 | 4 Alarm Setting | 2 | DC 0~20mA | 6 | RS-485 | 2 | AC 220V |
| 3 | DC 0~200V | 0 | None | 3 | DC 4~20mA | 8 | RS-485 (Dual) | 3 | DC 22~72V |
| 4 | DC 0~600V | | | 4 | DC 0~5V | 0 | None | 6 | AC/DC 85~265V |
| 5 | Shunt X / 50mV | | | 5 | DC 1~5V | Y | Other | Y | Other |
| 6 | Shunt X / 60mV | | | 6 | DC 0~10V | | | | |
| 7 | DC 0~2A | | | 0 | None | | | | |
| 8 | DC 0~10A | | | 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°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 : ≤ 60 ppm / °C From 0 ~ 60°C ; ≤ 50 ppm/25°C $\pm 5^\circ$ C.

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

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

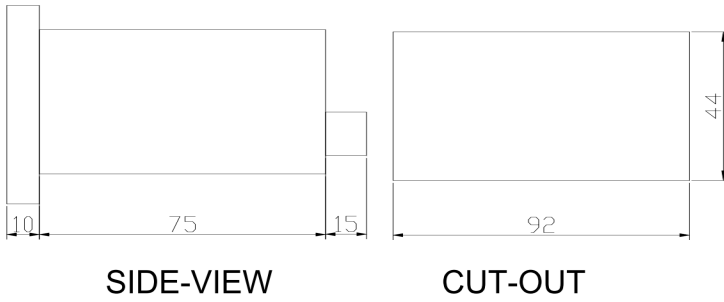
Power Supply : AC or DC $\pm 20\%$, 50 / 60Hz.

Consumed Power : ≤ 3 VA , PF = 1

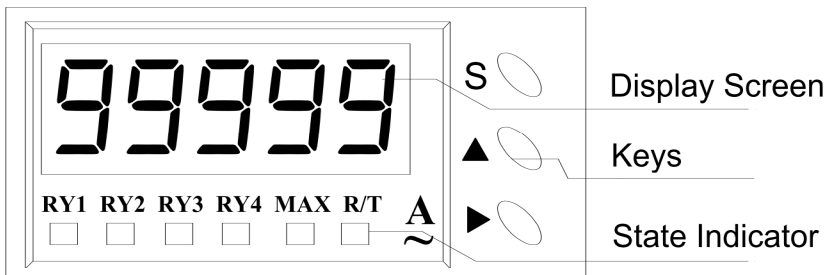
Outline Dimension : 1/8 DIN 96W X 48H X 100D mm.

Mounting : Panel Flush Mounting.

■ Dimension (mm)



■ Panel Keys



■ Connection Diagram

