

# DM3A 3Phase AC Current Digital Meter



An ISO 9001:2008 Company



## ■ FEATURES

- Display values of 3 phase simultaneously
- Swith between 2CT / 3CT system
- 4 Alarm setting functions
- Programmable for CT ratio
- With OFFSET adjustment
- Self-testing function with easy operation
- RS-485MODBUS RTU with Max.baudrate 38400

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Code1	Input Signal	Code2	Alarm Setting	Code3	Output 1	Code4	Output 2	Code5	Aux. Power
1	AC X/5A	1	3 Alarm Setting	1	DC 0~10mA	6	RS 485	3	DC 22~72V
2	AC X/1A	2	4 Alarm Setting	2	DC 0~20mA	0	None	6	AC/DC 85~265V
3	AC X/10A	0	None	3	DC 4~20mA	Y	Other	Y	Other
Y	Other			4	DC 0~5V				
				5	DC 1~5V				
				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

**DC Voltage:** 0 – 10 V DC

**Load resistance drive:** output drive 10 VDC maximum

**Load resistance drive:** output drive 5 mA maximum

Output Load Resistance

Output Load Resistance

0 – 10 mA : 1000 Ω

0 – 5 V : 1 KΩ

0 – 20 mA : 500 Ω

1 – 5 V : 1 KΩ

4 – 20 mA : 500 Ω

0 – 10 V : 2 KΩ

Output Response Time : ≤ 1 Sec.

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 : 0.39" High brightness RED LED , 4 Digits, 9999Counts

### INSTALLATION & PERFORMANCE:

Accuracy : 0.5%FS+1 Counts. Avg. Typically at 23°C±3°C.

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

Setting Range : 9999 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

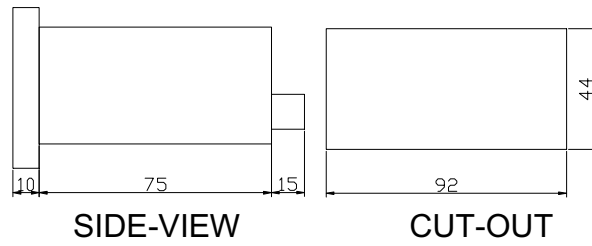
Power Supply : AC or DC ±20%, 50 / 60Hz.

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

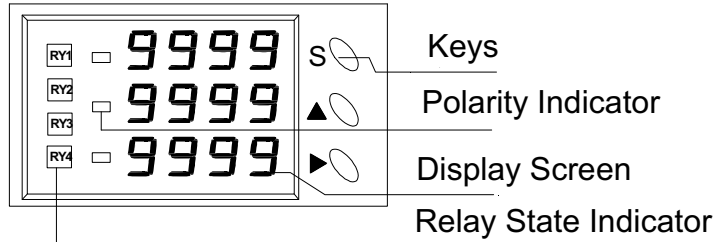
Mounting : Panel Flush Mounting.

All Specifications are subject to change without prior notice.

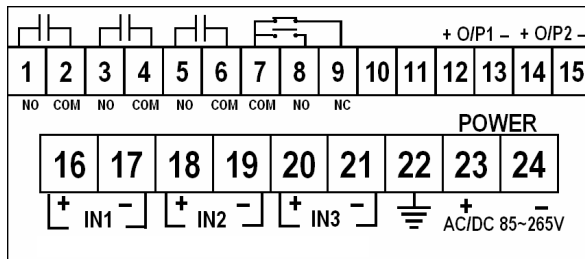
■ Size (mm)



■ Keys



■ Connection Diagram



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