

DM3D 3 Channel DC Voltage, Current Digital Meter

KUSAM-MECO®

An ISO 9001:2008 Company

■ FEATURES

- Display values of 3 channels simultaneously
- Programmable display range for 3 channel respectively
- 4 Alarm setting function
- With OFFSET adjustment
- Self-testing function with easy operation
- RS-485MODBUS RTU with Max.baudrate 38400.



DM3D

Code1	Input Signal	Code2	Alarm Setting	Code3	Output 1	Code4	Output 2	Code5	Aux. Power
1	DC 0~2V	1	3 Alarm Setting	1	DC 0~10mA	6	RS 485	3	DC 22~72V
2	DC 0~20V	2	4 Alarm Setting	2	DC 0~20mA	0	None	6	AC/DC 85~265V
3	DC 0~200V	0	None	3	DC 4~20mA	Y	Other	Y	Other
4	DC 0~600V			4	DC 0~5V				
5	ShuntX/50mV			5	DC 1~5V				
6	ShuntX/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

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
0 – 10 mA :	1000 Ω
0 – 20 mA :	500 Ω
4 – 20 mA :	500 Ω

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.

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, 9999 Counts

INSTALLATION & PERFORMANCE:

Accuracy : $\pm 0.2\%FS + 2$ Counts at $23^{\circ}C \pm 3^{\circ}C$.

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

Setting Range : 0 ~ 9999 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 μ S, ANSI C37.90a / 1983.DIN IEC 255 – 4.

Stability : $\leq 0.2\%/Year$.

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

Operating Condition : $-10^{\circ}C \sim +55^{\circ}C$ 20 ~ 95% RH Non-Condensed.

Storage Condition : $-40^{\circ}C \sim +75^{\circ}C$ 20 ~ 95% RH Non-Condensed.

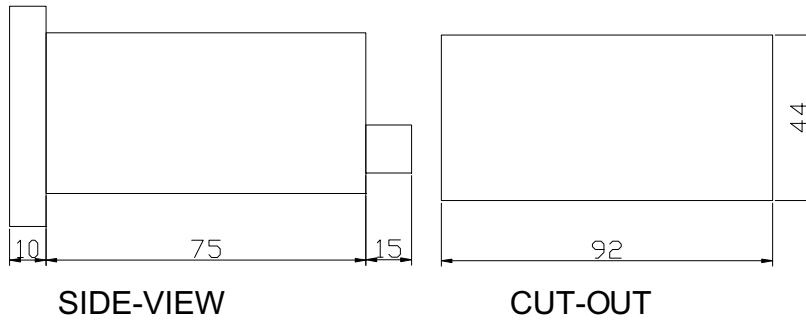
Power Supply : AC or DC $\pm 20\%$, 50 / 60Hz.

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

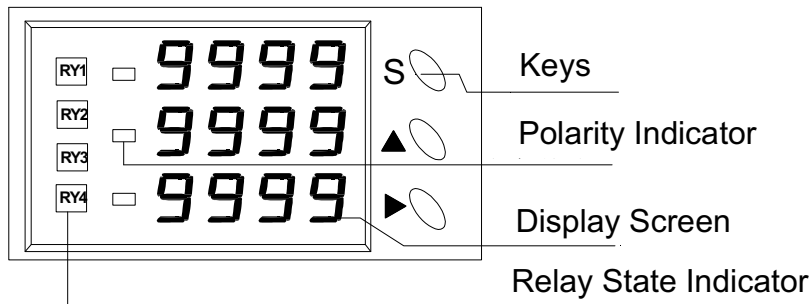
Outline Dimension : 1/8 DIN 96W X 48H X 100D mm.

Mounting : Panel Flush Mounting.

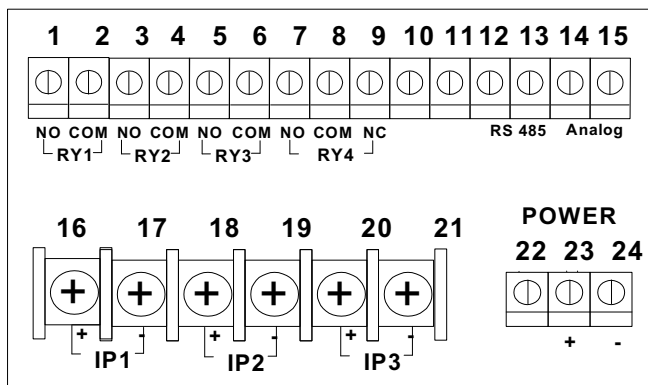
■ Dimension (mm)



■ Keys



■ Connection Diagram



All Specifications are subject to change without prior notice.

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