

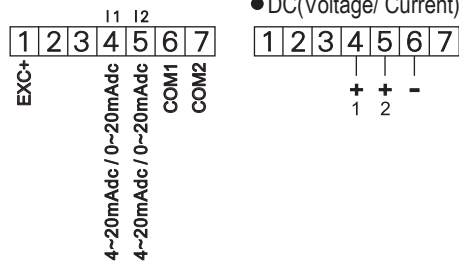
- Accuracy:  $\pm 0.1\%$  F.S.  $\pm 1$  digit (DC)
- Measuring DC Voltage/ DC Current individually
- High brightness 0.4" LED display range: -19999~99999; decimal point selectable
- Reset / 1~2 Alarms (Hi or Lo) programmable / Analog output (15 bit resolution) or RS-485 communication optional(3 Select 1)
- High stability, non-flammable case (PC), high safety

**SPECIFICATION**

- ◆ Accuracy:  $\pm 0.1\%$  F.S.  $\pm 1$  digit (DC)
- ◆ Display Screen: High brightness red LED; 10.16mm(0.4")
- ◆ Sampling Cycle: 16 cycles / sec (AVG=1)
- ◆ Display Range: -19999~99999
- ◆ Zero Adjustment: -19999~99999
- ◆ Over Range Indication: doFL / ioFL or -doFL / -ioFL
- ◆ Polarity Indication: Automatic with "-" indication
- ◆ Parameters Setting: Push buttons
- ◆ Back Up Memory: EEPROM
- ◆ Alarm Action: " $\geq$  (Hi) on" or " $<$  (Lo) on"
- ◆ Alarm Run Delay Time: 0~99 sec
- ◆ Alarm Hysteresis Range: 0~9999
- ◆ Relay Contact: AC 250V / 5A; DC 30V / 7A
- ◆ Analog Output Resolution: 15 bit
- ◆ Output Response Time:  $< 250$  msec (0~90%)
- ◆ Output Capability: Voltage Output:  $< 20$ mA  
Current Output:  $< 10$ V
- ◆ Communication: RS-485 Modbus RTU mode
- ◆ Baud Rate: 38400 / 19200 / 9600 / 4800 / 2400bps
- ◆ Parity Check: n.8.2. / n.8.1. / odd / even
- ◆ Temperature Coefficient: 100ppm /  $^{\circ}$ C (0~60 $^{\circ}$ C)
- ◆ Operating Temperature: 0~60 $^{\circ}$ C
- ◆ Operating Humidity: 20~90% RH (non-condensing)
- ◆ Storage Temperature: -10~70 $^{\circ}$ C
- ◆ Storage Humidity: 20~90% RH (non-condensing)
- ◆ Power Supply: AC/DC 100~240V; DC 9~30V
- ◆ Power Consumption: 6.5VA (all functions output)
- ◆ Surge Test: 2kVac / 1min (Input / Power)
- ◆ Input Impedence: Voltage:  $> 2$ V for 20k $\Omega$  / V;  $\leq 2$ V for  $> 200$ M $\Omega$   
Current:  $\geq 0.2$ A at 100mV;  $< 0.2$ A at 1V
- ◆ Dimensions: 96(W)\*48(H)\*110(D) mm
- ◆ Weight: About 500 g

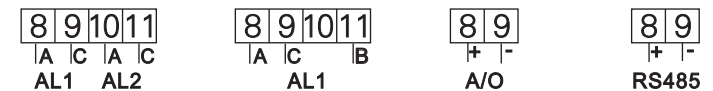
**WIRING CONNECTION**

**Input**



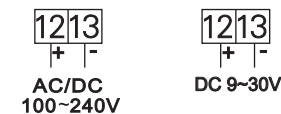
**Output**

- Relay\*2 Output
- Relay\*1 Output
- Analog Output
- RS485 Output



**Power**

- AC Power
- DC Power



**ORDER INFORMATION**

MA5D- [Code 1] - [Code 2] [Code 3] - [Code 4] - [Code 5] [Code 6] [Code 7]

Code 1	Input Type	Code 2	I/P 1	Code 3	I/P 2	Code 4	Aux. Power	Code 5	I/P Alarm	Code 6	Analog O/P	Code 7	RS-485
D	DC	1	0~5V	4	0~20mA	A	AC/DC 100~240V	N	None	N	None	N	None
		2	0~10V	5	4~20mA	C	DC 9~30V	R1	1 Relay	A	4~20 mA	Y	Yes
		4	0~20mA	O	Option			R2	2 Relays	V	0~10V		
		5	4~20mA					3	1 Open Collect	O	Option		
		O	Option					4	2 Open Collect				