

- Accuracy: $\pm 0.1\%$ F.S. ± 1 digit (DC); $\pm 0.2\%$ F.S. ± 1 digit (AC)
- Max. Hold / Data Hold / Reset / 1~2 Alarms (Hi or Lo) programmable / Analog output (16 bit resolution) / RS-485 communication optional (3 output options select 1)
- High brightness 0.8" LED display range: -9999~9999; decimal point selectable
- 4 Input signals & display selectable function available (S01~S04)
- High stability, non-flammable case (PC), high safety

SPECIFICATION

- ◆ Accuracy: $\pm 0.1\%$ F.S. ± 1 digit (DC)
 $\pm 0.2\%$ F.S. ± 1 digit (AC)
- ◆ Display Screen: High brightness red LED; 20.3mm(0.8")
- ◆ Sampling Time: 60 cycles / sec
- ◆ Display Range: -9999~9999
- ◆ Zero Adjustment: -9999~9999
- ◆ 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 Hysteresis Range: 0~9999
- ◆ Alarm Run Delay Time: 0~9999 sec
- ◆ Relay Contact: AC 250V / 5A; DC 30V / 5A
- ◆ Analog Output Resolution: 16 bit
- ◆ Output Response Time: <250 msec (0~90%)
- ◆ Output Capability: Voltage Output: <20mA
Current Output: <10V
- ◆ Communication: RS-485 Modbus RTU mode
- ◆ Baud Rate: 2400/ 4800/ 9600/ 19200
38400/ 57600 bps
- ◆ Temperature Coefficient: 100ppm / $^{\circ}\text{C}$ (0~60 $^{\circ}\text{C}$)
- ◆ Operating Temperature: 0~60 $^{\circ}\text{C}$
- ◆ Operating Humidity: 20~90% RH (non-condensing)
- ◆ Storage Temperature: -10~70 $^{\circ}\text{C}$
- ◆ Storage Humidity: 20~90% RH (non-condensing)
- ◆ Power Supply: AC/DC 100~240V ; DC 9~30V
- ◆ Power Consumption: 6.5VA with 2 Relays; 3VA without Relay
- ◆ Surge Test: 2KVac / 1min (Input / Power)
- ◆ Input Impedance: Voltage: $>2\text{V}$ for $20\text{K}\Omega / \text{V}$; $\leq 2\text{V}$ for $>200\text{M}\Omega$
Current: $\geq 0.2\text{A}$ at 100mV; $<0.2\text{A}$ at 1V
- ◆ Dimensions: 96(W)*48(H)*85(D) mm
- ◆ Weight: About 300 g

ORDER INFORMATION

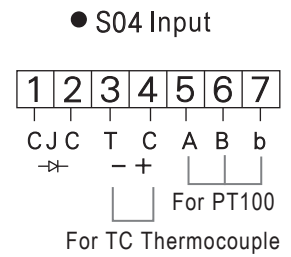
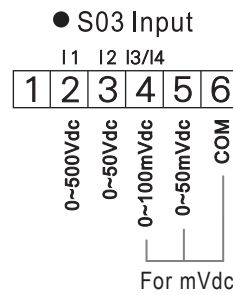
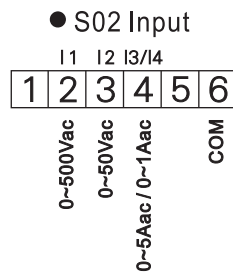
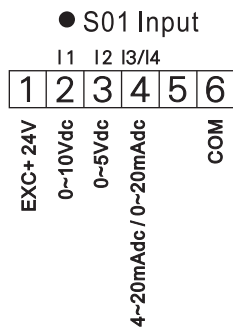
MA4 - Code1 Code2 - Code3 - Code4

Code1	Input Type	Compound Input	Code3	Aux. Power	Code4	Output
D	DC	S01	0~10Vdc/0~5Vdc/ 4~20mAdc/0~20mAdc	A AC/DC100~240V	N	None
A	AC AVG			C DC 9~30V	R1	1 Relay
M	AC TRMS	S02	0~500Vac/0~50Vac/ 0~5Aac/0~1Aac		R2	2 Relays
P	3 Wire Potentiometer				V	0~10V
I	2 Wire Resistor	S03	0~500Vdc/0~50Vdc/ 0~100mVdc/0~50mVdc		A	4~20mA
L	Load Cell				Y	RS-485
2	2, 3 Wire Sensor	S04	PT100/ Thermocouple		O	Option
4	4 Wire Sensor		After select Compound Input, could not select Code2.			

Code2	Voltage		Current		Potentiometer		Resistor		Load Cell
V1	0-50mV	A1	0-20uA	P1	500 Ω ~10K Ω	I1	0- 10 Ω	L1	1mV/V EX.5V
V2	0-5V	A2	0-200uA	P2	10K Ω ~100K Ω	I2	0-100 Ω	L2	2mV/V EX.5V
V3	1-5V	A3	0-2mA	P3	100K Ω ~1M Ω	I3	0-1K Ω	L3	3mV/V EX.5V
V4	0-10V	A4	0-20mA	PO	Option	I4	0-10K Ω		
V5	0-36V	A5	0-200mA			I5	0-100K Ω		
V6	0-300V	A6	4-20mA			IO	Option		
V7	0-600V	A7	0-2A						
VO	Option	A8	0-5A						
		A9	0-10A						
		AO	Option						

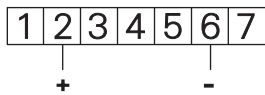
WIRING CONNECTION

Compound Input (S01,S02,S03,S04)

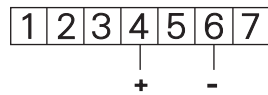


Input Function

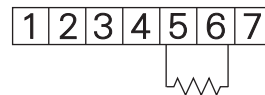
● Voltage(AC,DC)



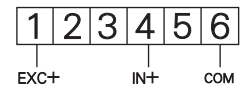
● Current(AC,DC)



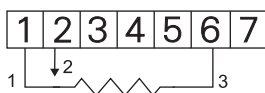
● 2 wire Resistor



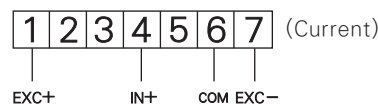
● 2,3 wire sensor(Transmitter)



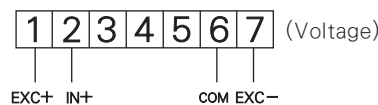
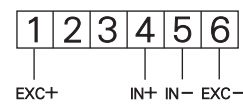
● 3 wire Potentionmeter



● 4 wire sensor (Transmitter)

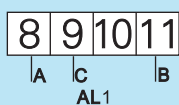


● Load cell

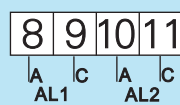


Output Function

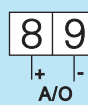
● Relay*1 Output



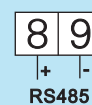
● Relay*2 Output



● Analog Output



● RS485 Output



Power

● AC Power



● DC Power

