

- ◆ Accuracy: ±0.1% F.S. ±1 digit (DC); ±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
(No external control terminals Hold/ Max/ Zero).
- ◆ High brightness 0.8" LED display range: -19999~99999; decimal point selectable.
- ◆ 4 Input signals & display selectable function available(S01~S04).
- ◆ High stability, non-flammable case (PC), high safety.

SPECIFICATION

- ◆ Accuracy: ±0.1% F.S. ±1 digit (DC)
±0.2% F.S. ±1 digit (AC)
- ◆ Display Screen: High brightness red LED; 20.3mm(0.8")
- ◆ Sampling Time: 60 cycles / sec
- ◆ 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: "≥ (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 / °C (0~60°C)
- ◆ Operating Temperature: 0~60°C
- ◆ Operating Humidity: 20~90% RH (non-condensing)
- ◆ Storage Temperature: -10~70°C
- ◆ Storage Humidity: 20~90% RH (non-condensing)
- ◆ Power Supply: AC/DC100~240V ; DC 9~30V
- ◆ Power Consumption: 6.5VA with 2 Relays; 3VA without Relay
- ◆ Surge Test: 2KVac / 1min (Input / Power)
- ◆ Input Impedence: Voltage: >2V for 20KΩ / V; ≤2V for >200MΩ
Current: ≥0.2A at 100mV; <0.2A at 1V
- ◆ Dimensions: 96(W)*48(H)*85(D) mm
- ◆ Weight: About 300 g

ORDER INFORMATION

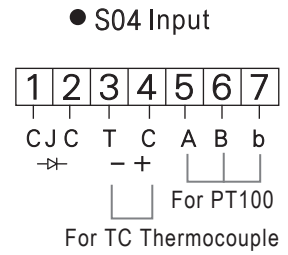
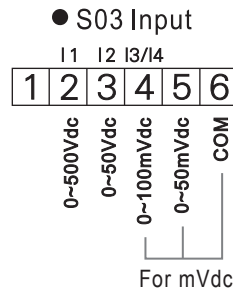
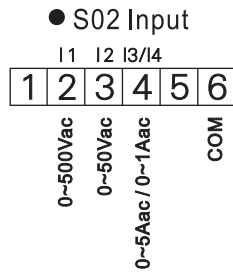
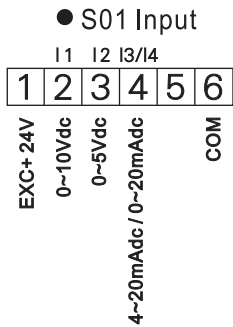
MA5+ Code1 Code2 - Code3 - Code4 Code4

Code1	Input Type	Compound Input	Code3	Aux. Power	Code4	Output
D	DC	S01 0~10Vdc/0~5Vdc/	A	AC/DC100~240V	N	None
A	AC AVG	4~20mAdc/0~20mAdc	C	DC 9~30V	R1	1 Relay
M	AC TRMS	S02 0~500Vac/0~50Vac/			R2	2 Relays
P	3 Wire Potentiometer	0~5Aac/0~1Aac			O1	1 O.C Relay
I	2 Wire Resistor	S03 0~500Vdc/0~50Vdc/			O2	2 O.C Relays
L	Load Cell	0~100mVdc/0~50mVdc			Code4	Output
2	2, 3 Wire Sensor	S04 PT100/ Thermocouple			N	None
4	4 Wire Sensor	After select Compound Input, could not select Code2.			A	4~20mA
					V	0~10V
					Y	RS-485
					O	Other

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

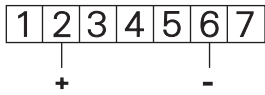
WIRING CONNECTION

Compound Input (S01,S02,S03,S04)

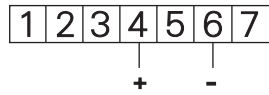


Input Function

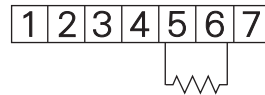
● Voltage(AC,DC)



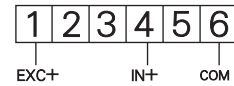
● Current(AC,DC)



● 2 wire Resistor



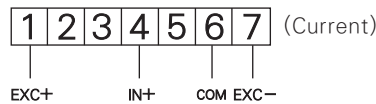
● 2,3 wire sensor(Transmitter)



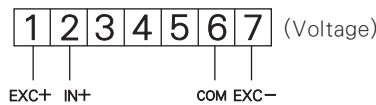
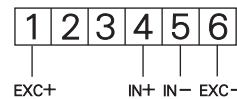
● 3 wire Potentionmeter



● 4 wire sensor (Transmitter)

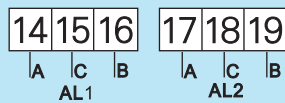


● Load cell



Output Function

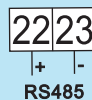
● Relay*1~2



● Analog Output



● RS485 Output



Power

● AC Power



● DC Power

