

4 DIGITAL ANALOG INPUT METER

GA4

FEATURES

- Accuracy: $\pm 0.1\%$ F.S. ± 1 digit (DC / Potentiometer / Resistor / PT-100 / Load Cell)
 $\pm 0.2\%$ F.S. ± 1 digit (AC)
- Max. Hold / Data Hold / Reset and 2 display values selectable
- High brightness 0.8" LED display range: -1999~9999; decimal point selectable
- Compound & display selectable function available
- Measuring AC, DC Voltage / AC, DC Current / Potentiometer / Resistor / PT-100 / Load Cell
- High stability, non-flammable case (PC), high safety
- CE approval



ORDER INFORMATION: GA4 - Code 1 - Code 2 - Code 3 - Code 4

Code 1	Input Type	Code 2	Voltage	Code 2	Current	Code 2	Potentiometer	Code 2	Resistor	Code 2	RTD (PT-100)	Code 2	Load Cell	Code 4	Alarm Output	Code 3	Aux. Power
D	DC	V1	0-50mV	A1	0-20uA	P1	500Ω-10KΩ	I1	0-10Ω	T1	-50-50°C	L1	1mV/V EX.5V	N	None	A	AC 110/220V
A	ACA AVG	V2	0-5V	A2	0-200uA	P2	10KΩ-100KΩ	I2	0-100Ω	T2	-100-100°C	L2	2mV/V EX.5V	R1	1 Relay	C	DC 24V
M	AC TRMS	V3	1-5V	A3	0-2mA	P3	100KΩ-1MΩ	I3	0-1KΩ	T3	-200-200°C	L3	3mV/V EX.5V	R2	2 Relays		
P	3 Wire Potentiometer	V4	0-10V	A4	0-20mA	PO	Option	I4	0-10KΩ	T4	0-600°C	L4	1mV/V EX.10V				
I	2 Wire Resistor	V5	0-36V	A5	0-200mA			I5	0-100KΩ	TO	Option	L5	2mV/V EX.10V				
T	RTD (PT-100)	V6	0-300V	A6	4-20mA			IO	Option			L6	3mV/V EX.10V				
L	Load Cell	V7	0-600V	A7	0-2A							LO	Option				
2	2, 3 Wire Sensor	VO	Option	A8	0-5A												
4	4 Wire Sensor			A9	0-10A												
S01	Compound Input			AO	Option												
S02	Compound Input																
S03	Compound Input																

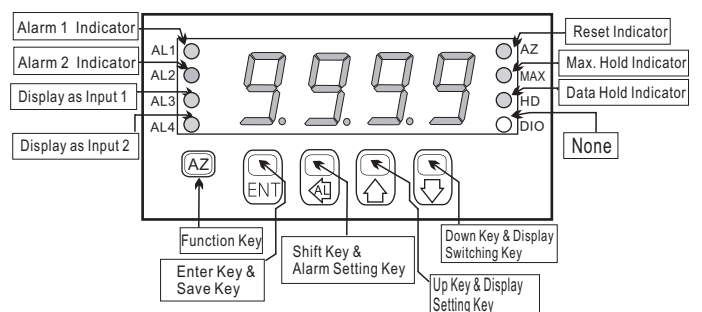
**1: S01 Compound input, Input 1 is 0~10Vdc, Input 2 is 4~20mAdc.
 2: S02 Compound input, Input 1 is 0~600Vac, Input 2 is 0~5Aac.
 3: S03 Compound input, Input 1 is 0~600Vdc, Input 2 is 0~50mVdc.

4: 2 wire type offers excitation power DC24V for 2 wire (Loop Power) pressure, temperature, humidity sensors using.
 5: 3.4 wire type offers excitation power DC24V for 3, 4 wire (Loop Power) pressure, temperature, humidity sensors using.
 6: Load Cell type of excitation power DC5V can have 2 load cell in parallel; DC10V only can offer 1 load cell to use.

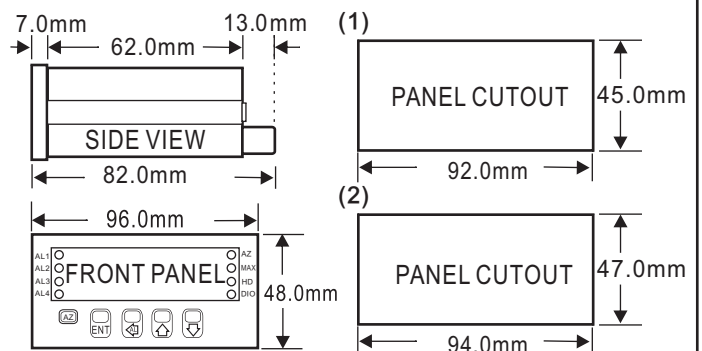
SPECIFICATION

- ◆ Accuracy: $\pm 0.1\%$ F.S. ± 1 digit (DC / Potentiometer / Resistor / PT-100)
 $\pm 0.2\%$ F.S. ± 1 digit (AC)
High brightness red LED; 20.3mm(0.8")
- ◆ Display Screen: High brightness red LED; 20.3mm(0.8")
- ◆ Sampling Time: 16 cycles / sec
- ◆ Display Range: -1999~9999
- ◆ Zero Adjustment: -1999~9999
- ◆ 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 Run Delay Time: 0~99 sec
- ◆ Relay Contact: AC 277V / 7A; DC 30V / 7A
- ◆ 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 110/220V $\pm 10\%$; DC 24V
- ◆ Power Consumption: 6.5VA with 2 Relays; 3VA without Relay
- ◆ Surge Test: 2KVac / 1min (Input / Power)
- ◆ Input Impedence: Voltage: $>2V$ for 20KΩ / V; $\leq 2V$ for $>200M\Omega$
Current: $\geq 0.2A$ at 100mV; $< 0.2A$ at 1V
- ◆ Dimensions: 96(W)*48(H)*110(D) mm
- ◆ Weight: About 300 g

FRONT PANEL & KEY FUNCTIONS



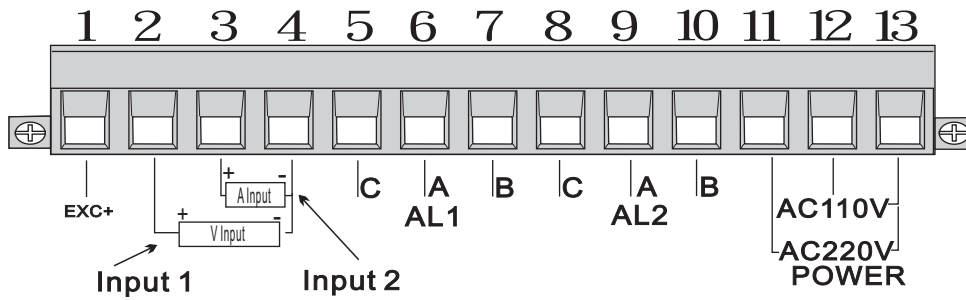
DIMENSION



*Remark: Panel cutout (1) is for standard type.
 Panel cutout (2) is for water-proof cover type.

■ WIRING CONNECTION

● Compound Input (S01, S02, S03)



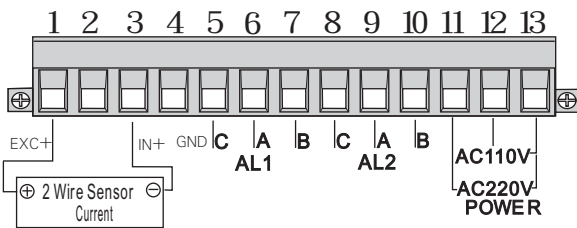
**1: EXC+ \geq 15V.

2: Switch i1 for Input 1 parameter of iP.SEL, Switch i2 for Input 2 parameter of iP.SEL (press \downarrow for sec to enter iP.SEL)

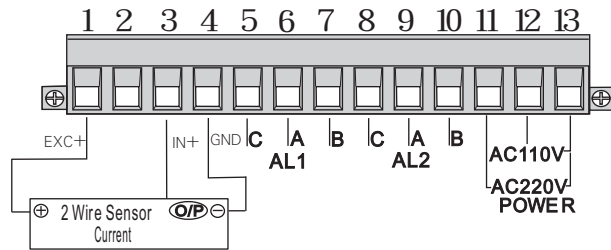
3: 2 wire sensor wiring connection, shown as EX1.

4: 3 wire sensor wiring connection, shown as EX2 & EX3.

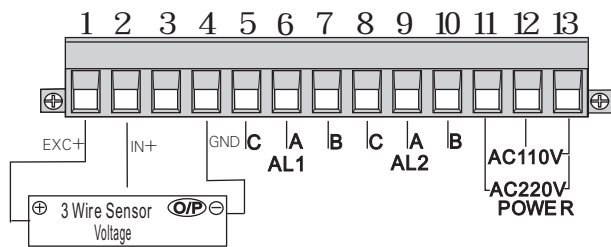
● EX1:



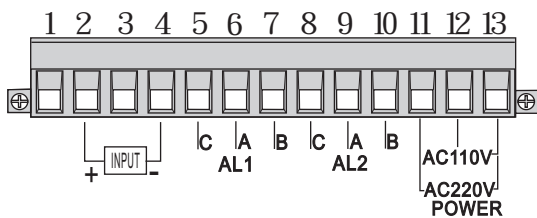
● EX2:



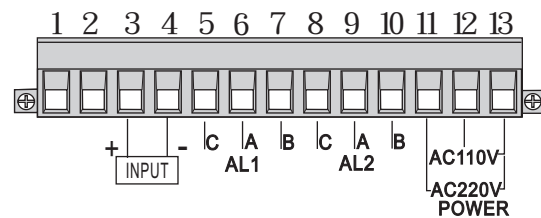
● EX3:



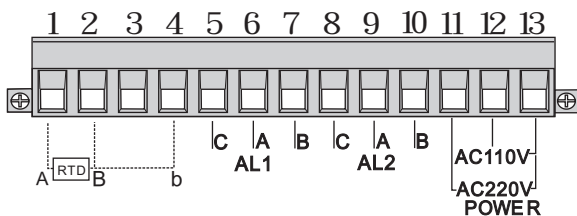
● Voltage (AC, DC)



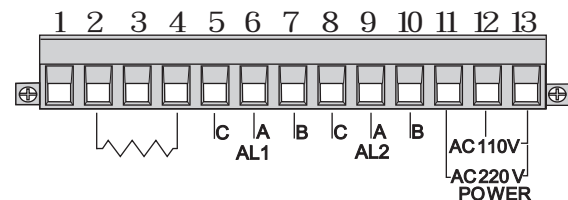
● Current (AC, DC)



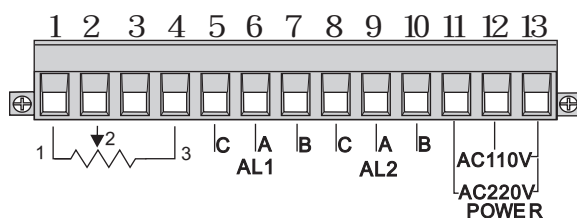
● Temperature (RTD)



● 2 Wire Resistor



● 3 Wire Potentiometer



● 4 Wire Sensor or Load cell

