

- Accuracy:  $\pm 0.1\%$  F.S. (DC / Potentiometer / Resistor / PT-100 / Load Cell)  
 $\pm 0.2\%$  F.S. (AC)
- Measuring AC, DC Voltage / AC, DC Current / Potentiometer / Resistor / PT-100 / Load Cell
- High brightness 0.4" LED display range: -19999~99999; decimal point selectable
- Surge test of AC 2000V / min between input / output / power
- High stability, non-flammable case (PC), high safety
- 1~2Alarms (Hi or Lo) programmable / Analog output (15 bit resolution) / RS-485 communication optional (The above options can exist together)

**SPECIFICATION**

- |                             |  |                            |   |
|-----------------------------|--|----------------------------|---|
| ◆ Accuracy:                 | $\pm 0.1\%$ F.S. (DC / Potentiometer / Resistor / PT-100 / Load Cell)<br>$\pm 0.2\%$ F.S. (AC) | ◆ Output Response Time:    | <250 msec (0~90%)   |
| ◆ Display Screen:           | High brightness red LED; 10.16mm (0.4")  | ◆ Output Capability:       | Voltage Output: <20mA<br>Current Output: <10V<br>$\leq \pm 0.1\%$ F.S.  |
| ◆ Sampling Cycle:           | 16 cycles / sec (AVG=1)  | ◆ Output Ripple:           | $\leq \pm 0.1\%$ F.S.   |
| ◆ Display Range:            | -19999~99999   | ◆ Isolation:               | Input / Output / Power / Case   |
| ◆ Zero Adjustment:          | $\pm 9999$   | ◆ Baud Rate:               | 38400 / 19200 / 9600 / 4800 bps   |
| ◆ Span Adjustment:          | $\pm 9999$   | ◆ Temperature Coefficient: | 100ppm / °C (0~60°C)  |
| ◆ Over Range Indication:    | doFL / ioFL or -doFL / -ioFL   | ◆ Operating Temperature:   | 0~60°C  |
| ◆ Polarity Indication:      | Automatic with "-" indication  | ◆ Operating Humidity:      | 20~90% RH (non-condensing)  |
| ◆ Parameters Setting:       | Push buttons   | ◆ Storage Temperature:     | -10~70°C  |
| ◆ Back Up Memory:           | EEPROM   | ◆ Storage Humidity:        | 20~90% RH (non-condensing)  |
| ◆ Alarm Action:             | " $\geq$ (Hi) on" or "< (Lo) on"   | ◆ Power Supply:            | AC 110V, AC 220V, DC 24V  |
| ◆ Alarm Run Delay Time:     | 0~99 sec   | ◆ Surge Test:              | 2KVac / 1min  |
| ◆ Relay Contact:            | AC 277V / 7A; DC 30V / 7A  | ◆ Insulation Resistance:   | >100M $\Omega$ with 500Vdc  |
| ◆ Analog Output Resolution: | 15 bit   | ◆ Input Impedence:         | Voltage: >2V for 20K $\Omega$ / V; $\leq 2V$ for >200M $\Omega$<br>Current: $\geq 0.2A$ at 100mV; <0.2A at 1V |
|                             |  | ◆ Installation:            | Socket / Plug in  |

**ORDER INFORMATION**

GCM-A- [Code 1] [Code 2] [Code 3] [Code 4] [Code 5]

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
D	DC	V1	0-50mV	A1	0-20uA	P1	500 $\Omega$ -10K $\Omega$	I1	0-10 $\Omega$	T1	-50-50°C	L1	1mV/V EX.5V
A	AC AVG	V2	0-5V	A2	0-200uA	P2	10K $\Omega$ -100K $\Omega$	I2	0-100 $\Omega$	T2	0-50°C	L2	2mV/V EX.5V
M	AC TRMS	V3	1-5V	A3	0-2mA	P3	100K $\Omega$ -1M $\Omega$	I3	0-1K $\Omega$	T3	0-100°C	L3	3mV/V EX.5V
P	3 Wire Potentiometer	V4	0-10V	A4	0-20mA	PO	Option	I4	0-10K $\Omega$	T4	0-200°C	L4	1mV/V EX.10V
I	2 Wire Resistor	V5	0-36V	A5	0-200mA			I5	0-100K $\Omega$	T5	0-400°C	L5	2mV/V EX.10V
T	RTD (PT-100)	V6	0-300V	A6	4-20mA			IO	Option	T6	0-600°C	L6	3mV/V EX.10V
L	Load Cell	V7	0-600V	A7	0-2A					TO	Option	LO	Option
2	2 Wire Sensor	VO	Option	A8	0-5A								
3	3 Wire Sensor			AO	Option								
4	4 Wire Sensor												

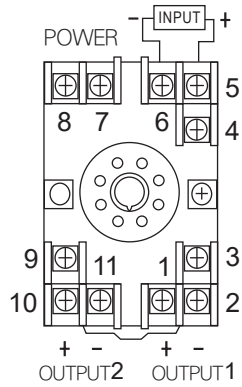
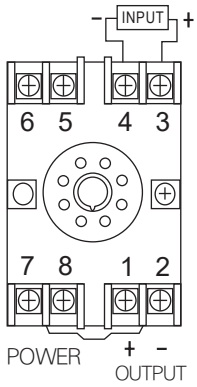
Code 4	Analog Output1	Code 5	Analog Output2
A	4-20mA	N	None
V	0-10V	A	4-20mA
L	Loop Power	V	0-10V
O	Option	L	Loop Power
Y	Rs485	O	Option
R1	1 Relay		
O1	1 O.C		
R2	2 Relays	N	None
O2	2 O.C	N	None

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

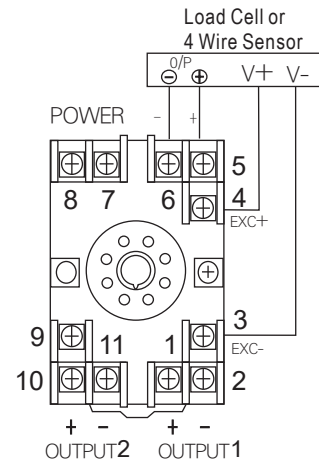
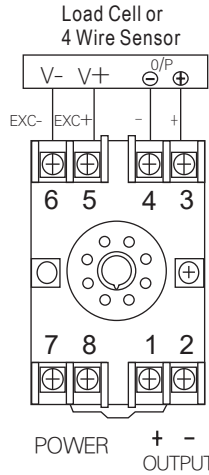
Code 3	Aux. Power
A	AC/DC 100~240V
D	AC/DC 22~60V

# WIRING CONNECTION

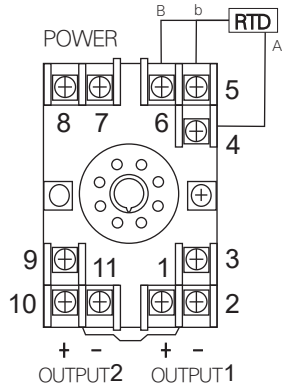
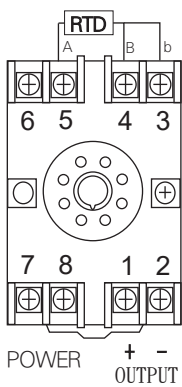
## ● Voltage, Current (AC, DC)



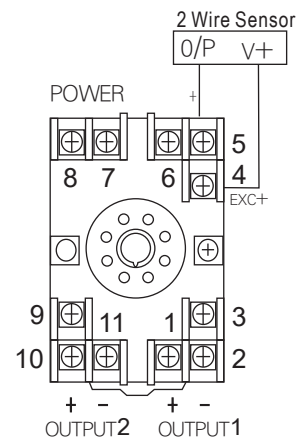
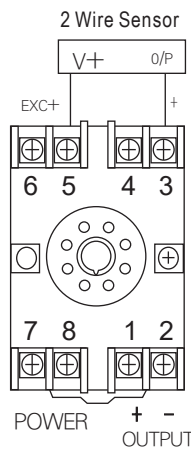
## ● 4 Wire Sensor or Load cell



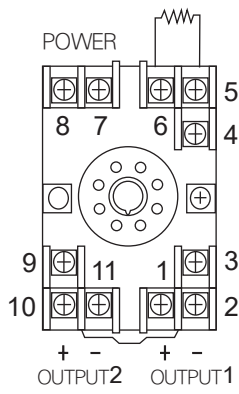
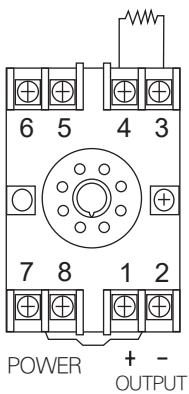
## ● Temperature (RTD)



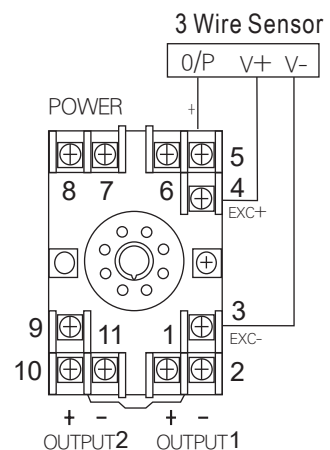
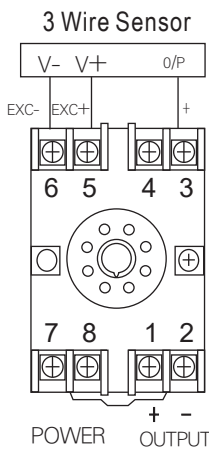
## ● 2 Wire Sensor



## ● 2 Wire Resistor



## ● 3 Wire Sensor



## ● 3 Wire Potentiometer

