

- Accuracy: $\pm 0.1\%$ F.S. ± 1 digit (DC / Potentiometer / Resistor / PT-100 / Load Cell)
 $\pm 0.2\%$ F.S. ± 1 digit (AC)
- High brightness LED display range: -19999~99999
- Parameters setting by infrared remote control
- Baud rate up to 38400 bps; sampling time up to 60 cycles / sec
- Root square / Analog output simulation function available
- Max. Hold / Data Hold / Reset / 1~4 Alarms (Hi or Lo) programmable / Analog output (15 bit resolution) / RS-485 communication optional (The above options can exist together)
- Invisible wire connection, easily installation



SPECIFICATION

- | | | | |
|-----------------------------|--|----------------------------|--|
| ◆ Accuracy: | $\pm 0.1\%$ F.S. ± 1 digit (DC / Potentiometer / Resistor / PT-100 / Load Cell) $\pm 0.2\%$ F.S. ± 1 digit (AC) | ◆ Output Capability: | Voltage Output: $< 20\text{mA}$ Current Output: $< 10\text{V}$ |
| ◆ Display Screen: | High brightness red LED; 10cm (4") | ◆ Communication: | RS-485 Modbus RTU mode |
| ◆ Sampling Time: | 60 cycles / sec | ◆ Baud Rate: | 38400 / 19200 / 9600 / 4800 bps |
| ◆ Display Range: | -199999~999999 | ◆ Temperature Coefficient: | 100ppm / $^{\circ}\text{C}$ (0~60 $^{\circ}\text{C}$) |
| ◆ Zero Adjustment: | -199999~999999 | ◆ Operating Temperature: | 0~60 $^{\circ}\text{C}$ |
| ◆ Over Range Indication: | doFL / ioFL or -doFL / -ioFL | ◆ Operating Humidity: | 20~90% RH (non-condensing) |
| ◆ Polarity Indication: | Automatic with "-" indication | ◆ Storage Temperature: | -10~70 $^{\circ}\text{C}$ |
| ◆ Parameters Setting: | Infrared Remote Control | ◆ Storage Humidity: | 20~90% RH (non-condensing) |
| ◆ Back Up Memory: | EEPROM | ◆ Power Supply: | AC/DC 100~240V; DC 12 / 24 / 30~90V |
| ◆ Alarm Action: | " \geq (Hi) on" or "< (Lo) on" | ◆ Power Consumption: | 8.5VA (all functions output) |
| ◆ Alarm Run Delay Time: | 0~99 sec | ◆ Surge Test: | 1.5KVac / 1min (Input / Power) |
| ◆ Relay Contact: | AC 277V / 7A; DC 30V / 7A | ◆ Input Impedance: | Voltage: $> 2\text{V}$ for 20K Ω / V; $\leq 2\text{V}$ for $> 200\text{M}\Omega$ Current: $\geq 0.2\text{A}$ at 100mV; $< 0.2\text{A}$ at 1V |
| ◆ Analog Output Resolution: | 15 bit | | |
| ◆ Output Response Time: | < 250 msec (0~90%) | | |

ORDER INFORMATION

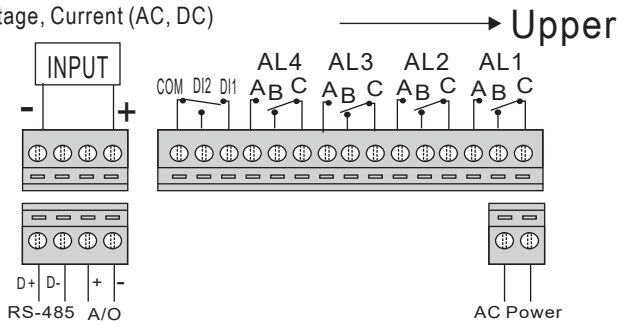
GBMA - Code 1 - Code 2 Code 3 - Code 4 - Code 5 Code 6 Code 7 Code 8

| Code 1 | Digits | Code 2 | Input Type | Code 3 | Voltage | Code 3 | Current | Code 3 | Potentiometer | Code 3 | Resistor | Code 3 | RTD (PT-100) | Code 3 | Load Cell | Code 4 | Aux. Power | Code 6 | Analog Output |
|--------|----------|--------|----------------------|--------|---------|--------|---------|--------|-----------------------------|--------|-----------------|--------|-----------------------------|--------|--------------|--------|----------------|--------|---------------|
| 3 | 3 Digits | D | DC | V1 | 0~50mV | A1 | 0~20uA | P1 | 500 Ω ~10K Ω | I1 | 0~10 Ω | T1 | -50~50 $^{\circ}\text{C}$ | L1 | 1mV/V EX.5V | A | AC/DC100~240V | N | None |
| 4 | 4 Digits | A | AC AVG | V2 | 0~5V | A2 | 0~200uA | P2 | 10K Ω ~100K Ω | I2 | 0~100 Ω | T2 | -100~100 $^{\circ}\text{C}$ | L2 | 2mV/V EX.5V | B | DC 12V | A | 4~20mA |
| 5 | 5 Digits | M | AC TRMS | V3 | 1~5V | A3 | 0~2mA | P3 | 100K Ω ~1M Ω | I3 | 0~1K Ω | T3 | -200~200 $^{\circ}\text{C}$ | L3 | 3mV/V EX.5V | C | DC 24V | V | 0~10V |
| | | P | 3 Wire Potentiometer | V4 | 0~10V | A4 | 0~20mA | PO | Option | I4 | 0~10K Ω | T4 | 0~600 $^{\circ}\text{C}$ | L4 | 1mV/V EX.10V | D | DC 30~90V | O | Option |
| | | I | 2 Wire Resistor | V5 | 0~36V | A5 | 0~200mA | | | I5 | 0~100K Ω | TO | Option | L5 | 2mV/V EX.10V | | | | |
| | | T | RTD (PT-100) | V6 | 0~300V | A6 | 4~20mA | | | I0 | Option | | | L6 | 3mV/V EX.10V | Code 5 | Alarm Output | Code 7 | RS-485 |
| | | L | Load Cell | V7 | 0~600V | A7 | 0~2A | | | | | | | L0 | Option | N | None | N | None |
| | | 2 | 2, 3 Wire Sensor | VO | Option | AO | Option | | | | | | | | | R2 | 2 Relays | Y | Yes |
| | | 4 | 4 Wire Sensor | | | | | | | | | | | | | R3 | 3 Relays | | |
| | | | | | | | | | | | | | | | | R4 | 4 Relays | Code 8 | Case size |
| | | | | | | | | | | | | | | | | O2 | 2 Open Collect | 3 | 3 digits |
| | | | | | | | | | | | | | | | | O3 | 3 Open Collect | 4 | 4 digits |
| | | | | | | | | | | | | | | | | O4 | 4 Open Collect | 5 | 5 digits |
| | | | | | | | | | | | | | | | | | | 6 | 6 digits |

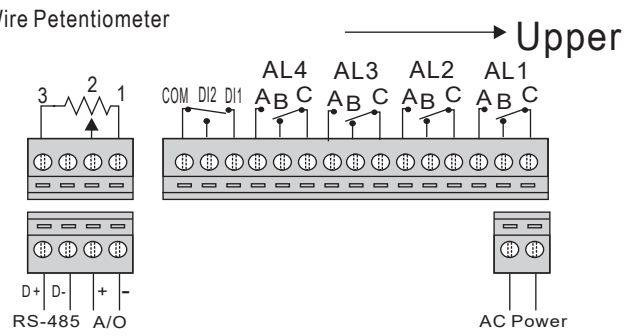
**1: 2 wire type offers excitation power DC24V for 2 wire (Loop Power) pressure, temperature, humidity sensors using.
 2: Please specify the input signal and display value, inquiry salespersons for special type.
 3: Load Cell type of excitation power DC5V can have 2 load cell in parallel; DC10V only can offer 1 load cell to use.
 4: 3 Relay type only offers A(Normal/Open) output. O.C. (Open Collect) offers NPN of C.E. output.

WIRING CONNECTION

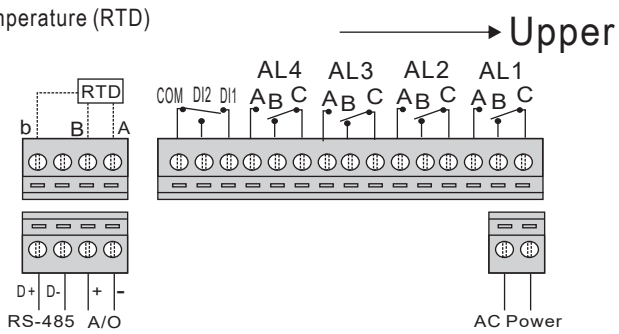
- Voltage, Current (AC, DC)



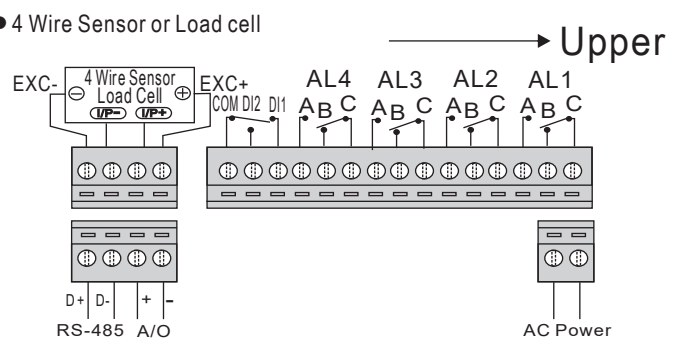
- 3 Wire Potentiometer



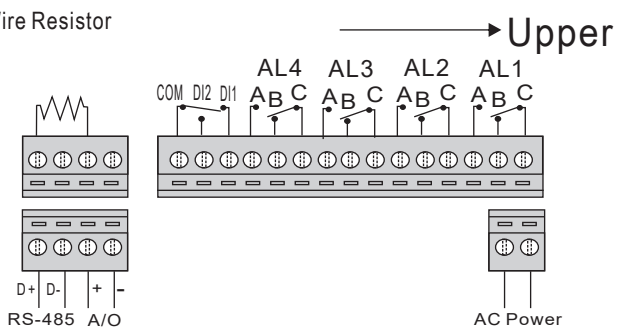
- Temperature (RTD)



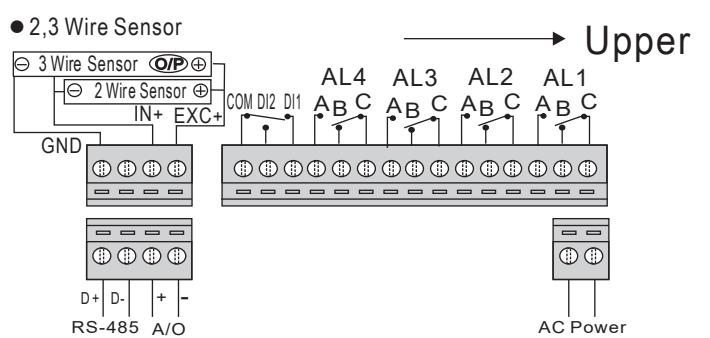
- 4 Wire Sensor or Load cell



- 2 Wire Resistor

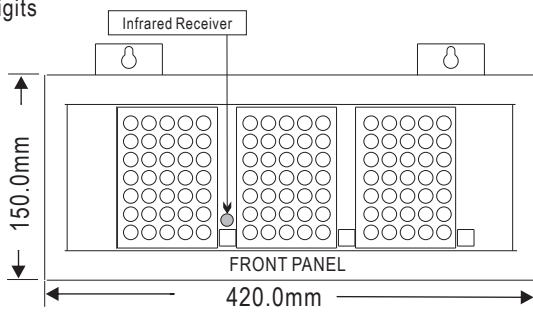


- 2,3 Wire Sensor

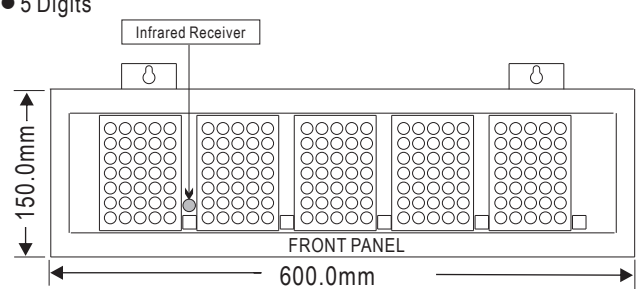


DIMENSION

- 3 Digits



- 5 Digits



- 4 Digits

