

- 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: <20mA Current Output: <10V
◆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 / °C (0~60°C)
◆Zero Adjustment:	-199999~999999	◆Operating Temperature:	0~60°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°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 Impedence:	Voltage: >2V for 20K Ω / V; $\leq 2V$ for >200M Ω Current: $\geq 0.2A$ at 100mV; <0.2A 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 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°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°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°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°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			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	AO	Option												
		4	4 Wire Sensor																

**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.

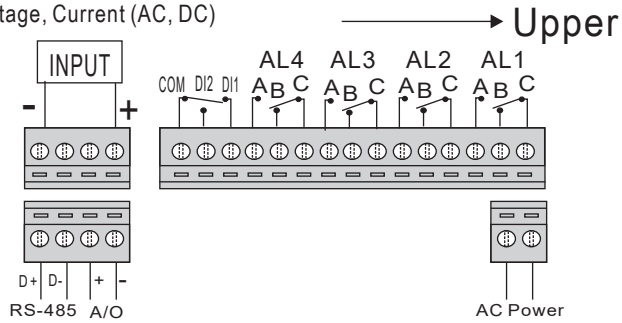
4: 3 Relay type only offers A(Normal/Open) output. O.C. (Open Collect) offers NPN of C.E. output.

Code 5	Alarm Output
N	None
R2	2 Relays
R3	3 Relays
R4	4 Relays
O2	2 Open Collect
O3	3 Open Collect
O4	4 Open Collect

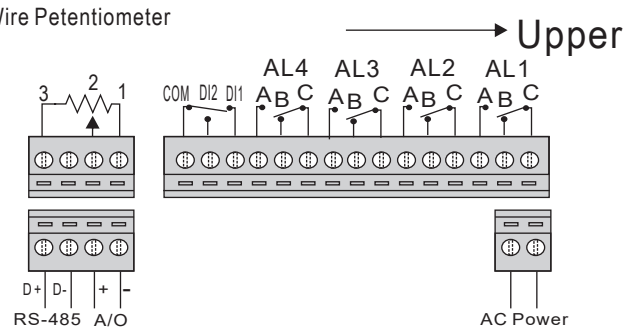
Code 7	RS-485
N	None
Y	Yes

WIRING CONNECTION

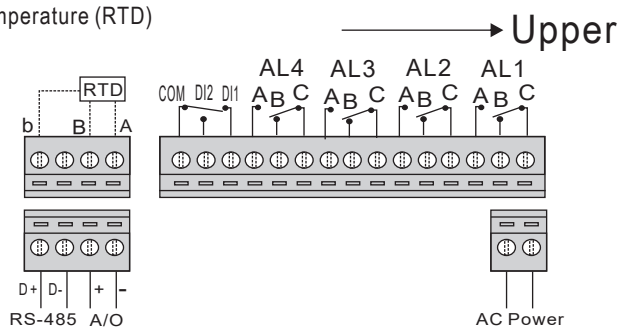
● Voltage, Current (AC, DC)



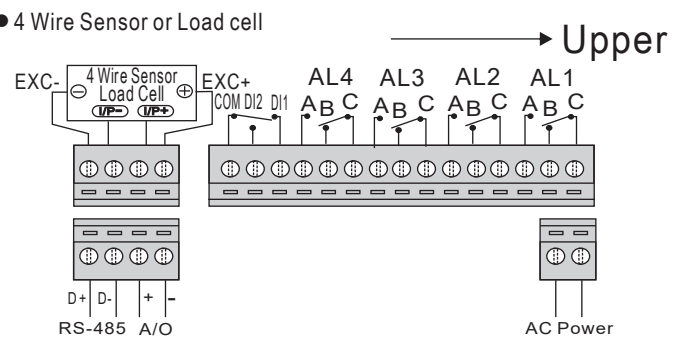
● 3 Wire Potentiometer



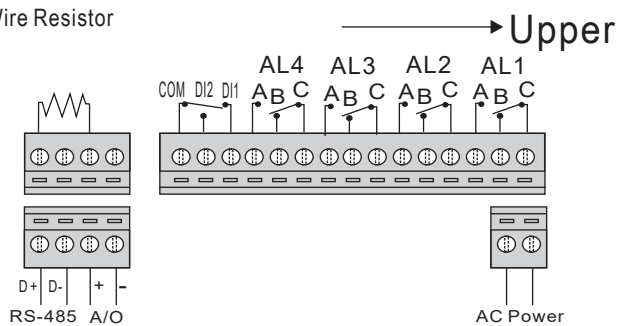
● Temperature (RTD)



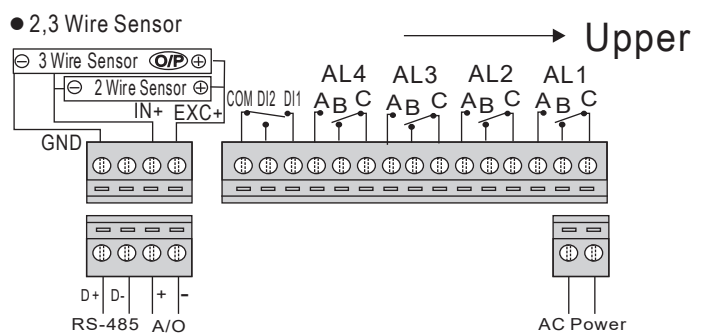
● 4 Wire Sensor or Load cell



● 2 Wire Resistor

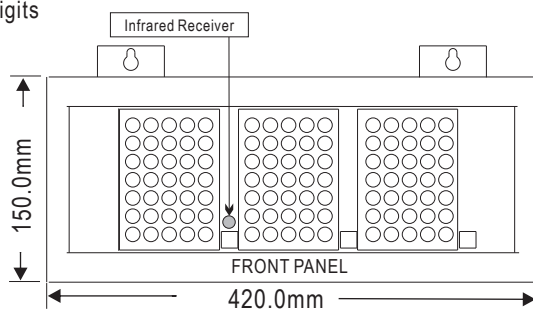


● 2,3 Wire Sensor

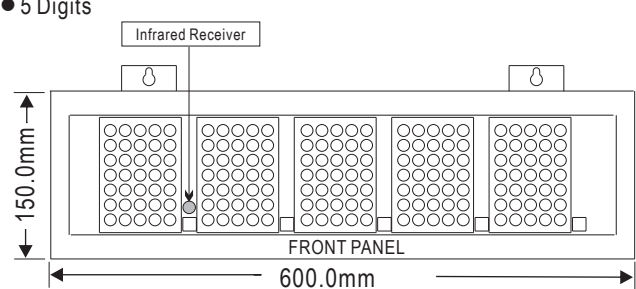


DIMENSION

● 3 Digits



● 5 Digits



● 4 Digits

