

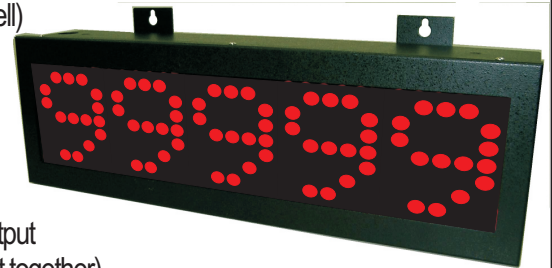
LARGE DISPLAY

with 1~4 ALARMS / ANALOG OUTPUT / RS-485

GBMA

FEATURES

- 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



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 5	Alarm Output	Code 6	Analog Output	Code 4	Aux. Power	Code 7	RS-485
3	3 Digits	D	DC	V1	0~50mV	A1	0~20uA	P1	500 Ω ~10K Ω	I1	0~10 Ω	T1	-50~50 $^{\circ}$ C	L1	1mV/V EX.5V	N	None	N	None	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 $^{\circ}$ C	L2	2mV/V EX.5V	R2	2 Relays	A	4~20mA	B	DC 12V	V	0~10V
5	5 Digits	M	AC TRMS	V3	1~5V	A3	0~2mA	P3	100K Ω ~1M Ω	I3	0~1K Ω	T3	-200~200 $^{\circ}$ C	L3	3mV/V EX.5V	R3	3 Relays	V	0~10V	C	DC 24V	O	Option
		P	3 Wire Potentiometer	V4	0~10V	A4	0~20mA	PO	Option	I4	0~10K Ω	T4	0~600 $^{\circ}$ C	L4	1mV/V EX.10V	R4	4 Relays	O	Option	D	DC 30~90V	Y	Yes
		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(NornalOpen) output. O.C. (Open Collect) offers NPN of C.E. output.

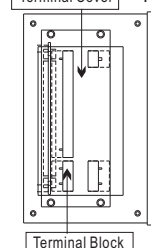
SPECIFICATION

- ◆ Accuracy: $\pm 0.1\%$ F.S. ± 1 digit (DC / Potentiometer / Resistor / PT-100 / Load Cell)
 $\pm 0.2\%$ F.S. ± 1 digit (AC)
- ◆ Display Screen: High brightness red LED; 10cm (4")
- ◆ 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: Infrared Remote Control
- ◆ 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
- ◆ Analog Output Resolution: 15 bit
- ◆ Output Response Time: <250 msec (0~90%)
- ◆ Output Capability: Voltage Output: <20mA
Current Output: <10V
- ◆ Communication: RS-485 Modbus RTU mode
- ◆ Baud Rate: 38400 / 19200 / 9600 / 4800 bps
- ◆ Temperature Coefficient: 100ppm / $^{\circ}$ C (0~60 $^{\circ}$ C)
- ◆ Operating Temperature: 0~60 $^{\circ}$ C
- ◆ Operating Humidity: 20~90% RH (non-condensing)
- ◆ Storage Temperature: -10~70 $^{\circ}$ C
- ◆ Storage Humidity: 20~90% RH (non-condensing)
- ◆ Power Supply: AC/DC 100~240V; DC 12 / 24 / 30~90V
- ◆ Power Consumption: 8.5VA (all functions output)
- ◆ Surge Test: 1.5KVac / 1min (Input / Power)
- ◆ Input Impedence: Voltage: >2V for 20K Ω / V; $\leq 2V$ for >200M Ω
Current: $\geq 0.2A$ at 100mV; <0.2A at 1V

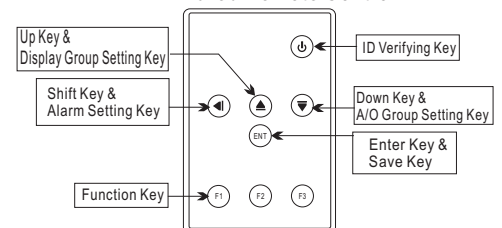
SIDE PANEL & KEY FUNCTIONS

Side View

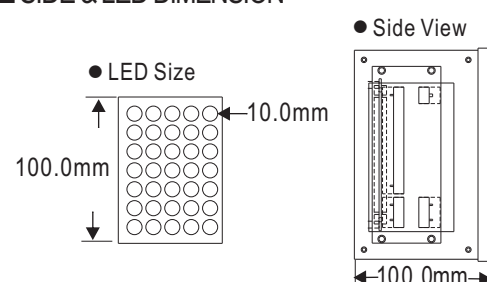
Terminal Cover **The terminal block is hid inside the cover.



Infrared Remote Control

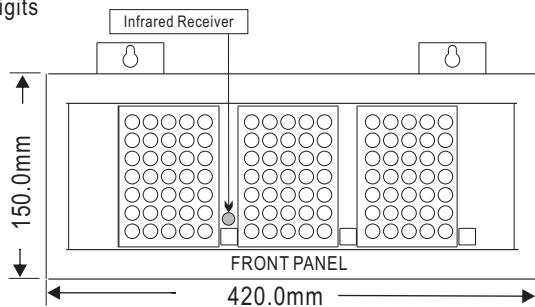


SIDE & LED DIMENSION

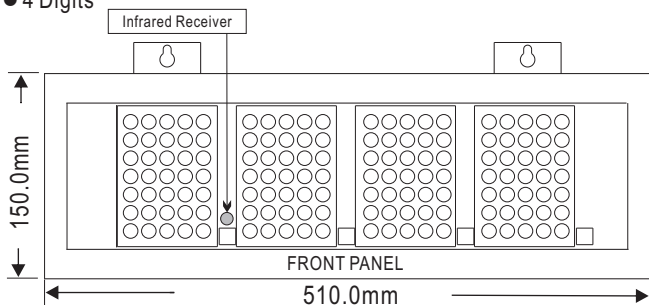


■ DIMENSIONS

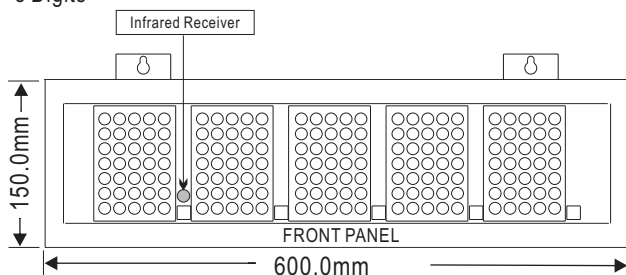
● 3 Digits



● 4 Digits

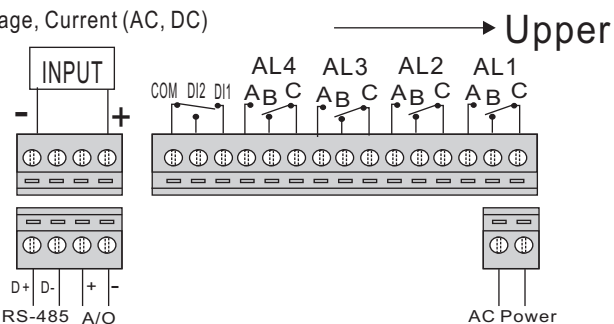


● 5 Digits

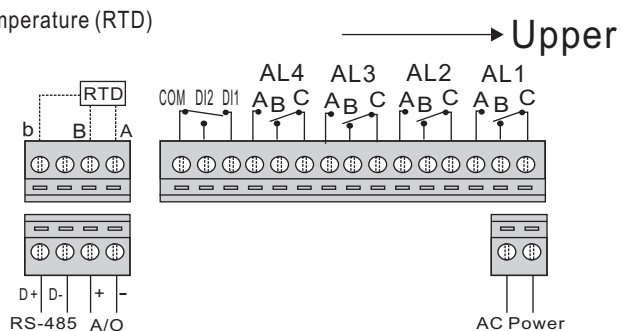


■ WIRING CONNECTION

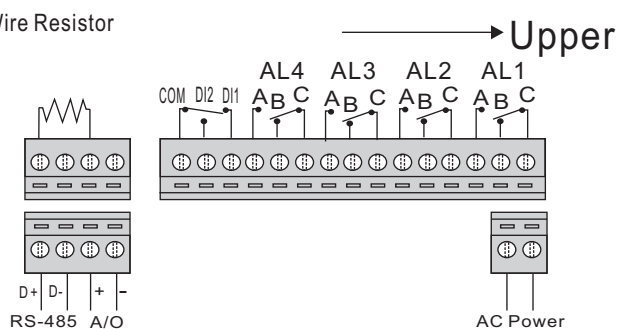
● Voltage, Current (AC, DC)



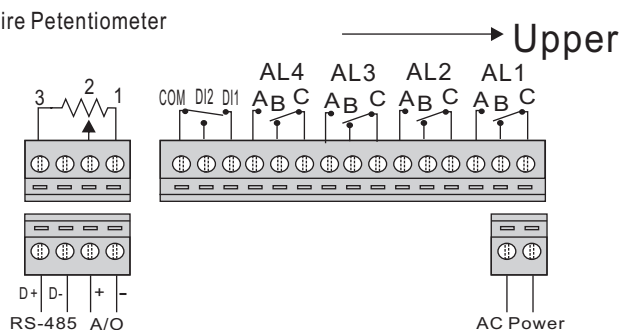
● Temperature (RTD)



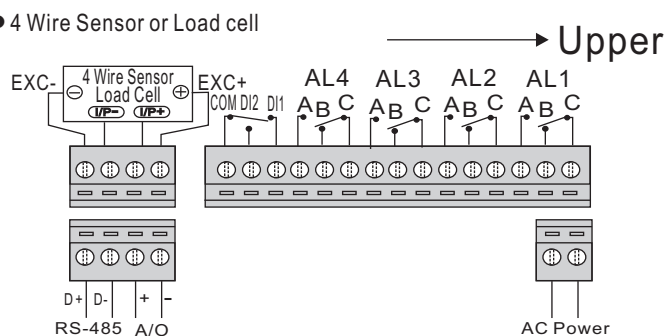
● 2 Wire Resistor



● 3 Wire Potentiometer



● 4 Wire Sensor or Load cell



● 2,3 Wire Sensor

