10 CM LARGE DISPLAY COUNTER
with 2~4 ALARMS / ANALOG OUTPUT / RS-485

GBMC

■ FEATURES

- Accuracy: ±0.03% F.S.; Input frequency: 7KHz(1U2D/1P2D); 3KHz(1A2B)
- Pre-division & Pre-multiply function for input pulse
- High brightness 10cm LED, display range: 0~99999; decimal point selectable RS-485 communication optional (The above options can exist together)
- 6M distance remote control available for parameters setting
- Invisible wire connection, easily installation
- High stability, painting steel housing, high safety

■ ORDER INFORMATION: GBMC - Code 1 - Code 2 - Code 3 - Code 4 Code 5 Code 6

Code 1	Digits
3	3 Digits
4	4 Digits
5	5 Digits

Code 2	Input Signal	Code 2	Input Signal
N5	NPN(5V)	VA	AC 2~60V
N2	NPN(12V)	VB	AC 60~600V
P5	PNP(5V)	VC	Pick-up 50mV~1.5V
P2	PNP(12V)	VD	Pick-up 500mV~15V
CT	Contact	VE	DC 24Vp
		O	Option

Code 3	Aux. Power
A	AC/DC 100~240V
O	Option

Code 4	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 5	Analog Output
N	None
A	4~20mA
V	0~10V
O	Option

Code 6	RS-485
N	None
Y	Yes

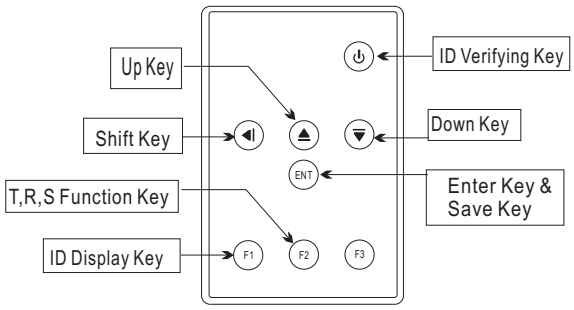
**1: NPN(5V),PNP(5V) offers excitation power DC5V; NPN(12V),PNP(12V) offers excitation power DC12V for sensors using.
2: Please use PNP/NPN(5V/12V) or DC24Vp for DC pulse input.

■ SPECIFICATION

♦ Accuracy:	±0.03% F.S.
♦ Display Screen:	High brightness red LED; 10cm (4")
♦ Sampling Cycle:	10 cycles / sec: >10Hz f cycles / sec: <10Hz
♦ Display Range:	Max to 99999
♦ Display Scale Range:	Max to 99.999
♦ Over Range Indication:	do / io
♦ Parameters Setting:	Infrared Remote Control
♦ Back Up Memory:	EEPROM
♦ Alarm Action:	"≧(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:	19200 / 9600 / 4800 / 2400 bps
♦ 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/DC 100~240V; DC 12 / 24 / 30~90V
♦ Power Consumption:	10VA (all functions output)
♦ Surge Test:	1.5KVac / 1min (Input / Power)

■ REMOTE CONTROL KEY FUNCTIONS

● Infrared Remote Control

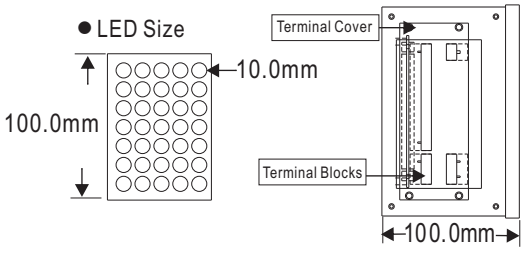


■ SIDE VIEWS & LED DIMENSIONS

● Side View

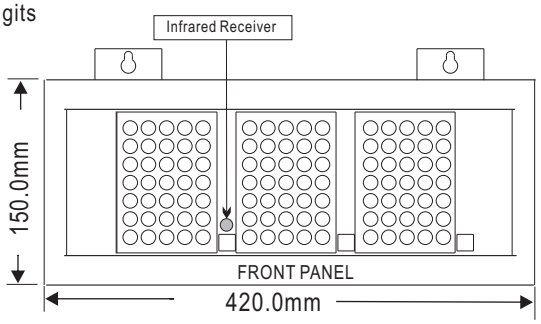
**The terminal block is hided inside the cover.

● LED Size

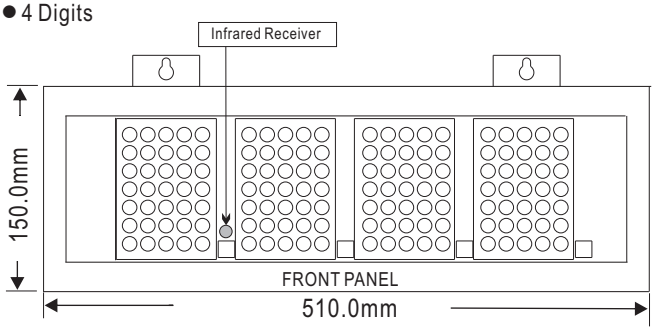


■ DIMENSIONS

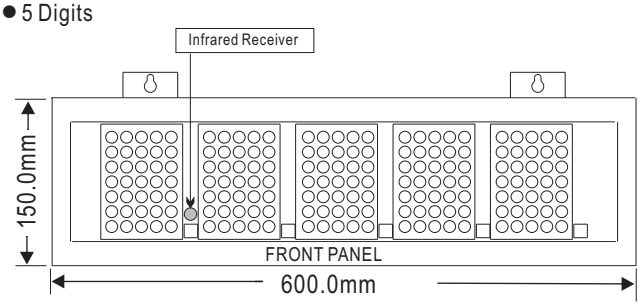
● 3 Digits



● 4 Digits

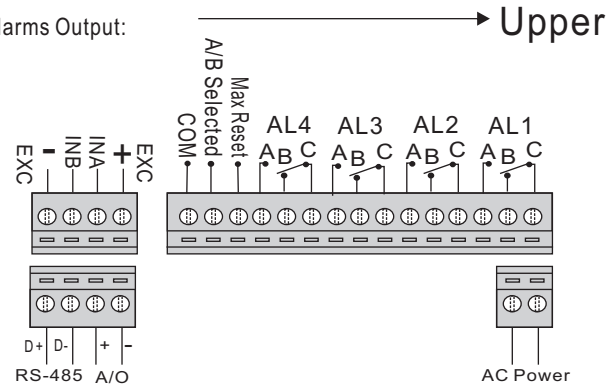


● 5 Digits



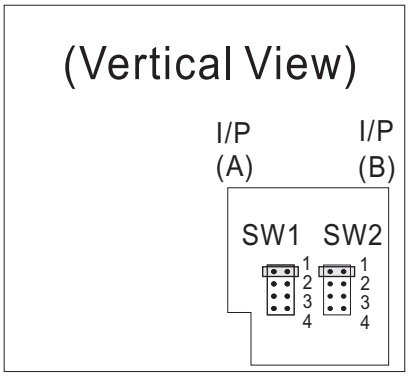
■ WIRING CONNECTION

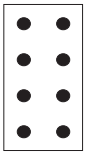
● 4 Alarms Output:



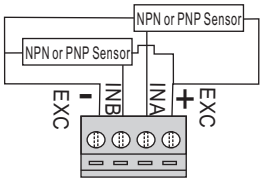
■ INPUT SIGNAL MODIFICATION

**To Select the pin to modify the input signal for different sensors.

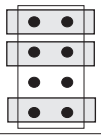


SW1	JUMPER	DEFINITION (ON:close;OFF:open)
	1	OFF: 12V; ON: 5V
	2	OFF:10KHz; ON: 400Hz
	3	OFF: NPN; ON: PNP
	4	OFF: PNP; ON: NPN

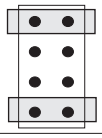
※Connection:



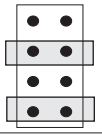
NPN (5V): 0~400 Hz

JUMPER	SW1/SW2
1	
2	
3	
4	

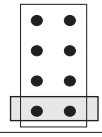
NPN (5V): 0~10 KHz

JUMPER	SW1/SW2
1	
2	
3	
4	

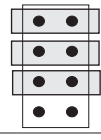
NPN (12V): 0~400 Hz

JUMPER	SW1/SW2
1	
2	
3	
4	

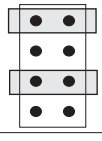
NPN (12V): 0~10 KHz

JUMPER	SW1/SW2
1	
2	
3	
4	

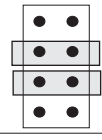
PNP (5V): 0~400 Hz

JUMPER	SW1/SW2
1	
2	
3	
4	

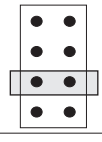
PNP (5V): 0~10 KHz

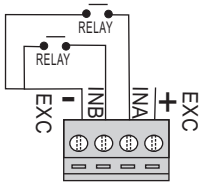
JUMPER	SW1/SW2
1	
2	
3	
4	

PNP (12V): 0~400 Hz

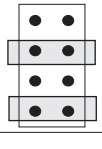
JUMPER	SW1/SW2
1	
2	
3	
4	

PNP (12V): 0~10 KHz

JUMPER	SW1/SW2
1	
2	
3	
4	



Relay Contact: NPN 0~400 Hz

JUMPER	SW1/SW2
1	
2	
3	
4	

**For relay input type, please select NPN 400 Hz.