

6 DIGITAL MICRO-PROCESS COUNTER with 1~4 ALARMS / ANALOG OUTPUT / RS-485

GC6

FEATURES

- Max. input frequency: 7KHz (1U2D / 1P2D); 3KHz (1A2B)
- High brightness dual LED display range: -199999~999999; decimal point selectable
- Input pulse for pre-multiplication & pre-division
- N/R/C/SA/CP/OR relay output mode selectable
- Baud rate up to 38400 bps; sampling time up to 60 cycles / sec
- Restore factory calibration setting available; Buzzer function available
- 1~4 Alarms (Hi or Lo) programmable / Analog output (15 bit resolution) / RS-485 communication optional (The above options can exist together)
- Reset / Pause count by external control terminal available
- High stability, non-flammable case (PC), high safety
- CE approval



ORDER INFORMATION: GC6 - Code 1 - Code 2 - Code 3 - Code 4 Code 5

| Code 1 | Input Signal | Code 1 | Input Signal |
|--------|--------------|--------|-------------------|
| N5 | NPN(5V) | VC | Pick-up 50mV~1.5V |
| N2 | NPN(12V) | VD | Pick-up 500mV~15V |
| P5 | PNP(5V) | VE | DC 24Vp |
| P2 | PNP(12V) | CT | Contact |
| | | O | Option |

| Code 2 | Aux. Power |
|--------|----------------|
| A | AC/DC 100~240V |
| D | AC/DC 22~60V |

| Code 2 | Alarm Output | Code 2 | Alarm Output |
|--------|--------------|--------|----------------|
| N | None | O1 | 1 Open Collect |
| R1 | 1 Relay | O2 | 2 Open Collect |
| R2 | 2 Relays | O3 | 3 Open Collect |
| R3 | 3 Relays | O4 | 4 Open Collect |
| R4 | 4 Relays | | |

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

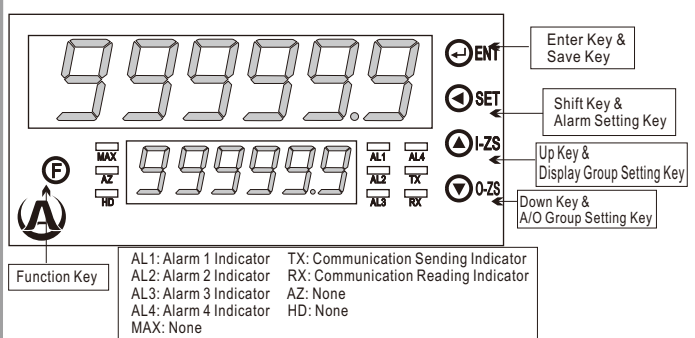
| Code 5 | RS-485 |
|--------|--------|
| N | None |
| Y | Yes |

**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.

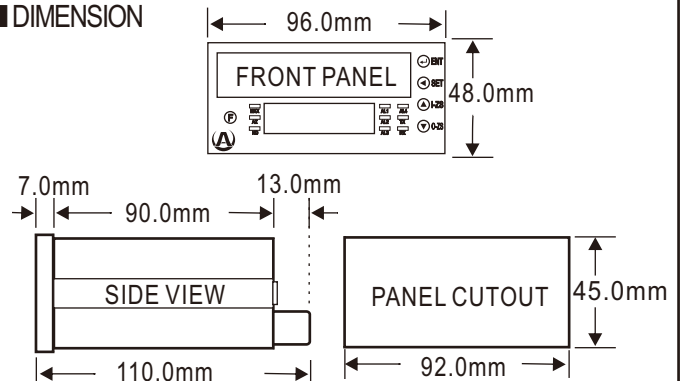
SPECIFICATION

- ◆ Display Screen: High brightness red LED;
- ◆ Max. Input Frequency: 7KHz (1U2D / 1P2D) 3KHz (1A2B)
- ◆ Display Range: -1999999~999999
- ◆ Parameters Setting: Push buttons
- ◆ Back Up Memory: EEPROM
- ◆ Alarm Action: "≥ (Hi) on" or "< (Lo) on"
- ◆ Relay Contact: AC 277V / 7A; DC 30V / 7A
- ◆ Relay Output Mode: N / R / C / SA / CP / OR
- ◆ Alarm Run Time: 1~99 sec
- ◆ 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; AC/DC 22~60V
- ◆ Power Consumption: 8.5VA (all functions output)
- ◆ Surge Test: 1.5KVac / 1min (Input / Power)

FRONT PANEL & KEY FUNCTIONS

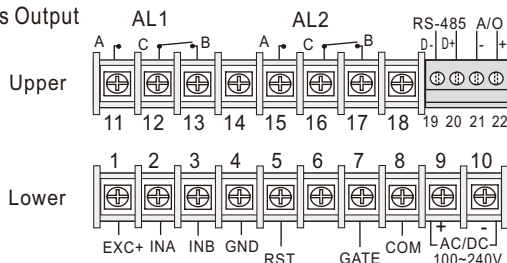


DIMENSION

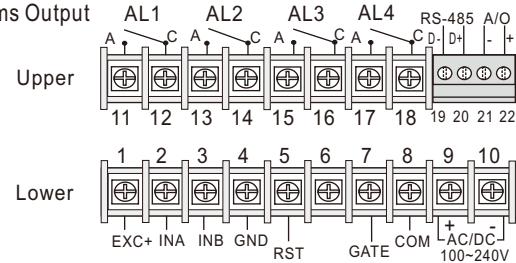


WIRING CONNECTION

2 Alarms Output

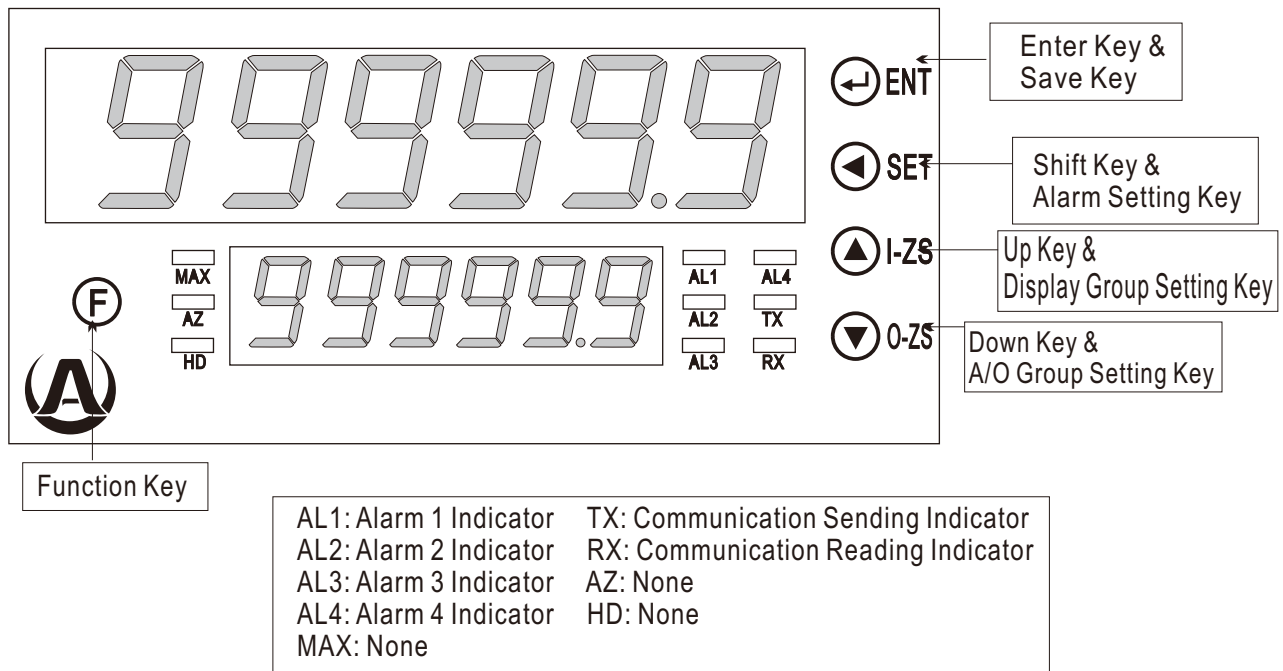


4 Alarms Output



* Please understand key indicators & functions at the first operation.

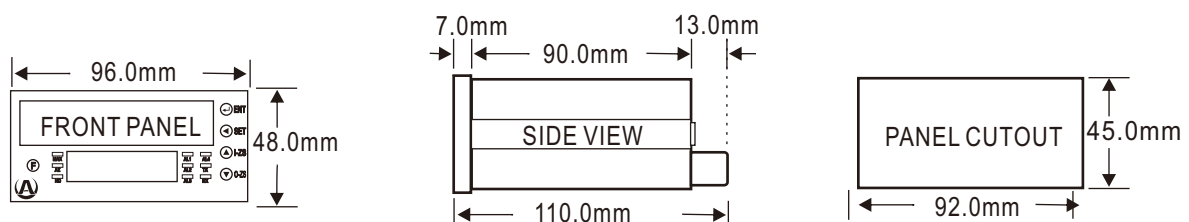
1.1 FRONT PANEL



1.2 KEY FUNCTIONS

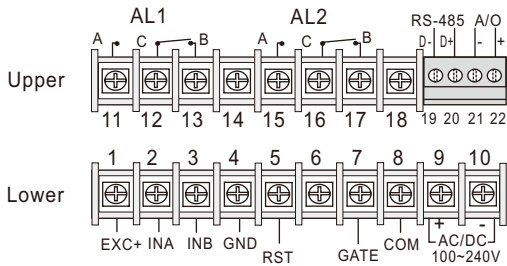
| Symbol | Key Name | Descriptions |
|--------|------------------------------------|---|
| Ⓢ | Function Key | 1. In the measuring status, press this key can enable the setting function. (Reset or Origin) |
| ENT | Enter Key & Save Key | 1. In the measuring status, press this key can enter to parameter groups. 2. In the parameter setting, press this key can save the value & go to the next parameter. |
| ← | Shift Key & Alarm Setting Key | 1. In the measuring status, press this key for 3 sec can enter to Alarm Setpoint Modification. 2. In the parameter page, press this key can enter to parameter setting. 3. In the parameter setting, press this key can move the cursor left. |
| ↑ | Up Key & Display Group Setting Key | 1. In the measuring status, press this key for 3 sec can enter to Display Group Setting. 2. In the parameter page, press this key can back to the last parameter page. 3. In the parameter setting, press this key can increase the digit. |
| ↓ | Down Key & A/O Group Setting Key | 1. In the measuring status, press this key for 3 sec can enter to A/O Group Setting. 2. In the parameter page, press this key can go to the next parameter page. 3. In the parameter setting, press this key can decrease the digit. |
| ↑ + ↓ | Compound Key | 1. In any status, press this key can back to measuring status. 2. While the buzzer acts, press this key can mute the buzzer. |

1.3 DIMENSIONS

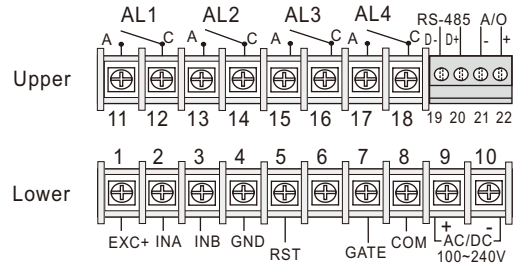


1.4 WIRING CONNECTION

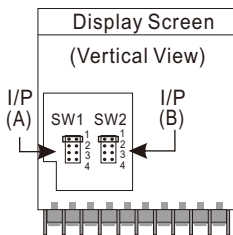
2 Alarms Output:



4 Alarms Output:



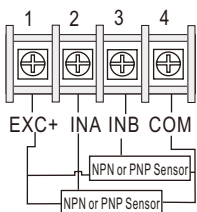
1.5 INPUT SIGNAL MODIFICATION



**To Select the pin to modify the input signal for different sensors.
PS: In dual input type, excitation power must be the same.

| SW1/SW2 | JUMPER | DEFINITION |
|---------|--------|---------------------------|
| | 1 | Open: 12V; Close: 5V |
| | 2 | Open: 10KHz; Close: 400Hz |
| | 3 | Open: NPN; Close: PNP |
| | 4 | Open: PNP; Close: 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 | |

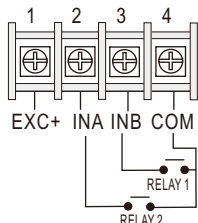
PNP (12V): 0~400 Hz

| JUMPER | SW1/SW2 |
|--------|---------|
| 1 | |
| 2 | |
| 3 | |
| 4 | |

PNP (12V): 0~10 KHz

| JUMPER | SW1/SW2 |
|--------|---------|
| 1 | |
| 2 | |
| 3 | |
| 4 | |

**Connection:

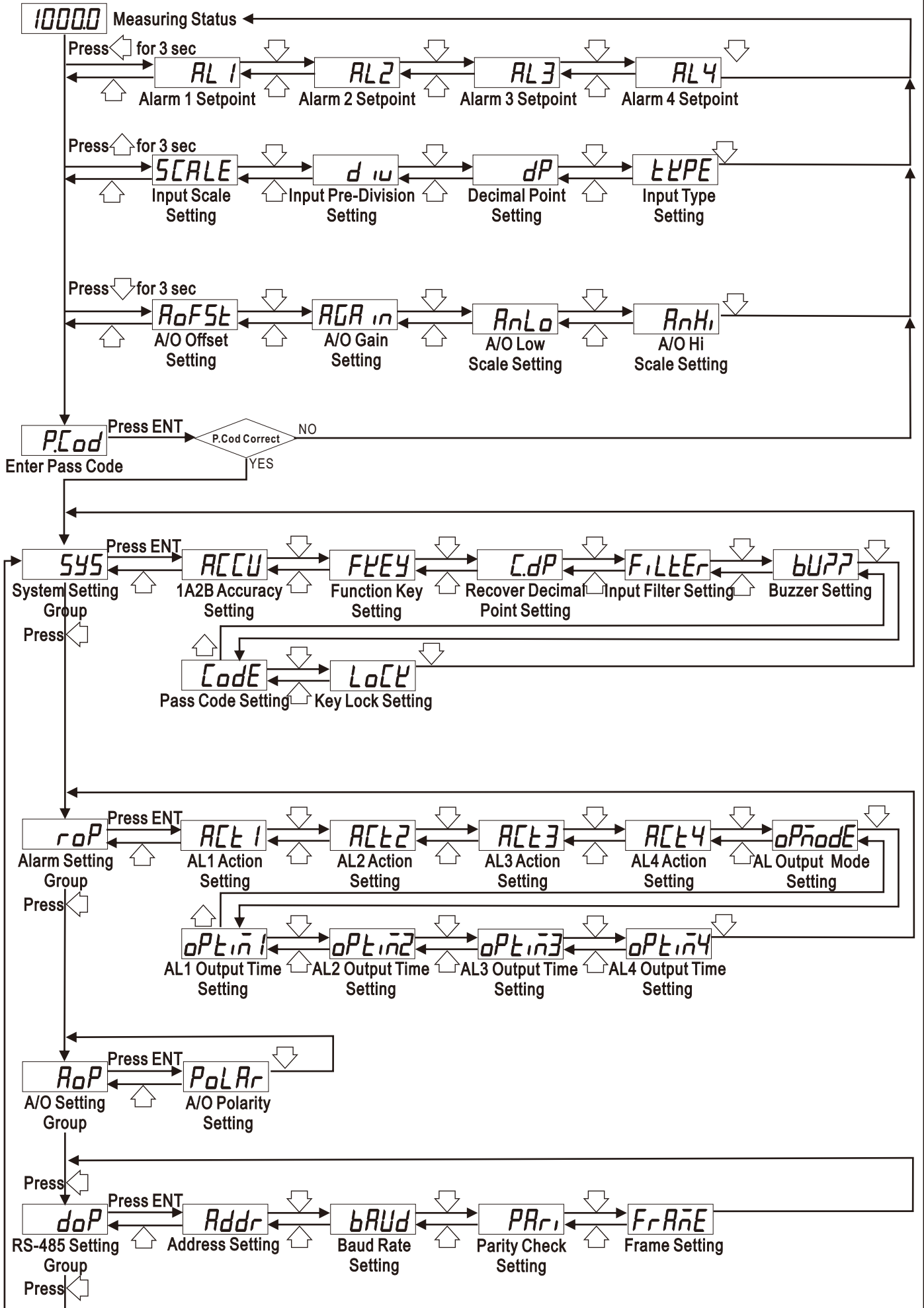


Relay Contact: NPN 0~400 Hz

| JUMPER | SW1/SW2 |
|--------|---------|
| 1 | |
| 2 | |
| 3 | |
| 4 | |








**For relay input type, please select NPN 0~ 400 Hz.

2.1 OPERATING SEQUENCE







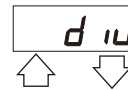











2.2 ALARM SETPOINT MODIFICATION

* In the measuring status, press  for 3 sec can enter to Alarm Setpoint Modification.

| Display | Default | Name | Descriptions |
|---|---------|------------------------|---|
|  | 00000 | Alarm 1 Setpoint (AL1) | 1. Press  to enter the parameter setting, the digit will be flashed. 2. Press  or  can modify Alarm Setpoint. Range: -199999~999999 3. Press ENT to save the value and go to the next parameter. |
|  | 00000 | Alarm 2 Setpoint (AL2) | |
|  | 00000 | Alarm 3 Setpoint (AL3) | |
|  | 00000 | Alarm 4 Setpoint (AL4) | |

















2.3 DISPLAY SETTING

* In the measuring status, press  for 3 sec can enter to Display Group Setting.


| Display | Default | Name | Descriptions |
|---|---------|----------------------------------|---|
|  | 10000 | Input Scale Setting (SCALE) | 1. Press  to enter the parameter setting, the digit will be flashed. 2. Press  or  can modify Input Scale. Range: 0.00001~9.99999 3. Press ENT to save the value and go to the next parameter. |
|  | 00001 | Input Pre-Division Setting (div) | 1. Press  to enter the parameter setting, the digit will be flashed. 2. Press  or  can modify Input Pre-Division. Range: 1~999999 3. Press ENT to save the value and go to the next parameter. |
|  | 00000 | Decimal Point Setting (dp) | 1. Press  to enter the parameter setting, the digit will be flashed. 2. Press  or  can select Decimal Point. Range: 0, 1, 2, 3, 4, 5 (DP) 3. Press ENT to save the value and go to the next parameter. |
|  | 1U2d | Input Type Setting (tYPE) | 1. Press  to enter the parameter setting, the digit will be flashed. 2. Press  or  can select Input Type. Range: 1U2d, 1P2d, 1A2b 3. Press ENT to save the value and back to Display Setting.. |

2.4 A/O SETTING

* In the measuring status, press  for 3 sec can enter to A/O Group Setting.

| Display | Default | Name | Descriptions |
|---|---------|------------------------------|---|
|  | 00000 | A/O Offset Setting (AoFSt) | 1. Press  to enter the parameter setting, the digit will be flashed. 2. Press  or  can modify A/O Offset. Range: -9999~9999 3. Press ENT to save the value and go to the next parameter. |
|  | 00000 | A/O Gain Setting (AGain) | 1. Press  to enter the parameter setting, the digit will be flashed. 2. Press  or  can modify A/O Gain. Range: -9999~9999 3. Press ENT to save the value and go to the next parameter. |
|  | 00000 | A/O Low Scale Setting (AnLo) | 1. Press  to enter the parameter setting, the digit will be flashed. 2. Press  or  can modify A/O Low Scale. Range: -199999~999999 If this value is 0, while display is 0, output signal will be 4 mAdc. 3. Press ENT to save the value and go to the next parameter. |
|  | 99999 | A/O Hi Scale Setting (AnHi) | 1. Press  to enter the parameter setting, the digit will be flashed. 2. Press  or  can modify A/O Hi Scale. Range: -199999~999999 If this value is 100, while display is 100, output signal will be 20 mAdc. 3. Press ENT to save the value and back to A/O Setting. |

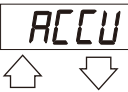











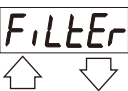



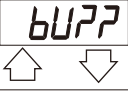



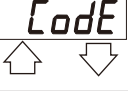







2.5 ERROR CODE OF SELF-DIAGNOSIS

| Display | Descriptions |
|---|---|
|  | EEPROM reading / writing suffers the interference (about 1 million times). |

** Please check the wiring connection is correct first, if the problem still exist, please return the meter to the factory.





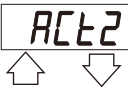




















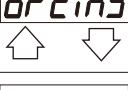

3.1 SYSTEM (SYS) SETTING GROUP PROCEDURE

* While Pass Code is correct, Press  can select System Setting Group.

| Display | Default | Name | Descriptions |
|---|---------|--------------------------------------|--|
|  | 41 | 1A2B Accuracy Setting (ACCU) | <ol style="list-style-type: none"> 1. Press  to enter the parameter setting, the digit will be flashed. 2. Press  or  can select 1A2B Accuracy. Range: X1, X4 P.S.: This function is available when type is set by "1A2B". 3. Press ENT to save the value and go to the next parameter. |
|  | rESEt | Function Key Setting (FKEY) | <ol style="list-style-type: none"> 1. Press  to enter the parameter setting, the digit will be flashed. 2. Press  or  can select Function Key. Range: rESEt (Reset), oriGin (Origin) 3. Press ENT to save the value and go to the next parameter. |
|  | YES | Recover Decimal Point Setting (C.dP) | <ol style="list-style-type: none"> 1. Press  to enter the parameter setting, the digit will be flashed. 2. Press  or  can select Recover Decimal Point Function. Range: YES (Recover), no (Do Not Recover) 3. Press ENT to save the value and go to the next parameter. |
|  | oFF | Input Filter Setting (FILtEr) | <ol style="list-style-type: none"> 1. Press  to enter the parameter setting, the digit will be flashed. 2. Press  or  can select Input Filter. Range: 4000, 400, 40, 4, oFF (Hz) If this value is 400, the input signal will be filtered above 400 Hz. 3. Press ENT to save the value and go to the next parameter. |
|  | no | Buzzer Setting (bUZZ) | <ol style="list-style-type: none"> 1. Press  to enter the parameter setting, the digit will be flashed. 2. Press  or  can close Buzzer. Range: no (Do Not Close), YES (Close) 3. Press ENT to save the value and go to the next parameter. |
|  | 00000 | Pass Code Setting (P.Cod) | <ol style="list-style-type: none"> 1. Press  to enter the parameter setting, the digit will be flashed. 2. Press  or  can modify Pass Code. Range: 0~19999 (Please do remember new Pass Code) 3. Press ENT to save the value and go to the next parameter. |
|  | no | Key Lock Setting (LoCK) | <ol style="list-style-type: none"> 1. Press  to enter the parameter setting, the digit will be flashed. 2. Press  or  can close Key Lock. Range: no (Do Not Close), YES (Close) 3. Press ENT to save the value and back to System Setting Group. |





3.2 ALARM (roP) SETTING GROUP PROCEDURE

* While Pass Code is correct, Press  can select Alarm Output Setting Group.

| Display | Default | Name | Descriptions |
|---|---------|----------------------------------|---|
|  | H I | AL1 Action Setting (ACT1) | <ol style="list-style-type: none"> Press  to enter the parameter setting, the digit will be flashed. Press  or  can select Alarm 1 Action. Range: Hi (\geq Alarm Setpoint On), Lo ($<$ Alarm Setpoint On) Press ENT to save the value and back to A/O Group Setting. |
|  | H I | AL2 Action Setting (ACT2) | <ol style="list-style-type: none"> Press  to enter the parameter setting, the digit will be flashed. Press  or  can select Alarm 2 Action. Range: WArn (Alarm Warn), Hi (\geq Alarm Setpoint On), Lo ($<$ Alarm Setpoint On) Press ENT to save the value and go to the next parameter. |
|  | H I | AL3 Action Setting (ACT3) | <ol style="list-style-type: none"> Press  to enter the parameter setting, the digit will be flashed. Press  or  can select Alarm 3 Action. Range: WArn (Alarm Warn), Hi (\geq Alarm Setpoint On), Lo ($<$ Alarm Setpoint On), Go ($<$Hi Setpoint & $>$Lo Setpoint On) Press ENT to save the value and go to the next parameter. |
|  | H I | AL4 Action Setting (ACT4) | <ol style="list-style-type: none"> Press  to enter the parameter setting, the digit will be flashed. Press  or  can select Alarm 4 Action. Range: WArn (Alarm Warn), Hi (\geq Alarm Setpoint On), Lo ($<$ Alarm Setpoint On) Press ENT to save the value and go to the next parameter. |
|  | n | AL Output Mode Setting (oPModE) | <ol style="list-style-type: none"> Press  to enter the parameter setting, the digit will be flashed. Press  or  can select Alarm Output Mode. Range: n (Manual) / r (Return) / C (Continue) / SA (Semi-Automatic) / CP (Compare) / or (Origin) Press ENT to save the value and go to the next parameter. |
|  | 0000 I | AL1 Output Time Setting (optiM1) | <ol style="list-style-type: none"> Press  to enter the parameter setting, the digit will be flashed. Press  or  can modify Alarm Output Time. Range: 1~99 (sec) If Alarm is acted, alarm will be turned off after this setting (sec). Press ENT to save the value and back to Alarm Setting Group. |
|  | 0000 I | AL2 Output Time Setting (optiM2) | |
|  | 0000 I | AL3 Output Time Setting (optiM3) | |
|  | 0000 I | AL4 Output Time Setting (optiM4) | |





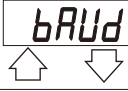











3.3 A/O (A_oP) SETTING GROUP PROCEDURE

* While Pass Code is correct, Press  can select A/O Setting Group.

| Display | Default | Name | Descriptions |
|---|-----------|------------------------------|---|
|  | <i>no</i> | A/O Polarity Setting (PoLAr) | 1. Press  to enter the parameter setting, the digit will be flashed. 2. Press  or  can select A/O Polarity. Range: no (Positive Pole O/P; 0~10 Vdc), YES (Positive & Negative Pole O/P; -10~+10 Vdc) 3. Press ENT to save the value and back to A/O Setting Group. |

3.4 RS-485 (d_oP) SETTING GROUP PROCEDURE

* While Pass Code is correct, Press  can select RS-485 Setting Group.

| Display | Default | Name | Descriptions |
|---|--------------|-----------------------------|---|
|  | <i>00000</i> | Address Setting (Addr) | 1. Press  to enter the parameter setting, the digit will be flashed. 2. Press  or  can modify Address. Range: 0~255 3. Press ENT to save the value and go to the next parameter. |
|  | <i>38400</i> | Baud Rate Setting (bAUd) | 1. Press  to enter the parameter setting, the digit will be flashed. 2. Press  or  can select Baud Rate. Range: 38400, 19200, 9600, 4800 (bps) 3. Press ENT to save the value and go to the next parameter. |
|  | <i>n8.2.</i> | Parity Check Setting (PAri) | 1. Press  to enter the parameter setting, the digit will be flashed. 2. Press  or  can select Parity Check. Range: n.8.2., n.8.1., EvEn, odd 3. Press ENT to save the value and go to the next parameter. |
|  | <i>no</i> | Frame Setting (FrAME) | 1. Press  to enter the parameter setting, the digit will be flashed. 2. Press  or  can select Frame. Range: no (Hi to Lo), YES (Lo to Hi) 3. Press ENT to save the value and back to RS-485 Setting Group. |

4.1 MODBUS RTU MODE PROTOCOL ADDRESS TABLE

* Data form: 16 / 32 bit, +/-8000~7FFF(-32768~32767), 800000007FFFFFFF(-2147483648~2147483647)

| Modbus | Hex | Name | Act | Descriptions |
|--------|------|--------|-----|---|
| 40001 | 0000 | ID | R | Model number identification; GC6 is 29 |
| 40002 | 0001 | STATUS | R | Current alarm output & external control input status, range: 0000~00F0 (0~240) (Bit 7: AL4, Bit 6: AL3, Bit 5: AL2, Bit AL1, Bit 3: Buzz) 0:Off, 1:On |
| 40003 | 0002 | INDEX | R/W | Index, range: 0000~0027 (0~39) [Please refer section 4.2 for detail.] |
| 40004 | 0003 | LOCK | R/W | Key lock setting, range: 0000~0001 (0~1); 0:No, 1:YES |
| 40005 | 0004 | FILTER | R/W | Input filter setting, range: 0000~0004 (0~4); 0:4000, 1:400, 2:40, 3:4, 4:oFF |
| 40006 | 0005 | BUZZ | R/W | Buzzer setting, range: 0000~0001 (0~1); 0:No, 1:YES |
| 40007 | 0006 | ACCU | R/W | 1A2B accuracy setting, range: 0000~0001 (0~1); 0:X1, 1:X4 |
| 40008 | 0007 | FKEY | R/W | Function key setting, range: 0000~0001 (0~1); 0:rESEt, 1:oriGin |
| 40009 | 0008 | POLAR | R/W | Polar setting, range: 0000~0001 (0~1); 0:No, 1:YES |
| 40010 | 0009 | ACT1 | R/W | Alarm 1 action setting, range: 0001~0002 (1~2); 1:Hi, 2:Lo |
| 40011 | 000A | ACT2 | R/W | Alarm 2 action setting, range: 0000~0002 (0~2); 0:WARm, 1:Hi, 2:Lo |
| 40012 | 000B | ACT3 | R/W | Alarm 3 action setting, range: 0000~0001 (0~3); 0:WARm, 1:Hi, 2:Lo, 3:Go |
| 40013 | 000C | ACT4 | R/W | Alarm 4 action setting, range: 0000~0001 (0~2); 0:WARm, 1:Hi, 2:Lo |
| 40014 | 000D | OPMODE | R/W | Alarm output mode setting, range: 0000~0005 (0~5); 0:n, 1:r, 2:C, 3:SA, 4:CP, 5:or |
| 40015 | 000E | PARI | R/W | Parity check setting, range: 0000~0003 (0~3); 0:n.8.2., 1:n.8.1., 2:EvEn, 3:odd |
| 40016 | 000F | BAUD | R/W | Baud Rate setting, range: 0000~0003 (0~3); 0:38400, 1:19200, 2:9600, 3:4800 |
| 40017 | 0010 | FRAME | R/W | Frame setting, range: 0000~0001 (0~1); 0:No, 1:YES |
| 40018 | 0011 | TYPE | R/W | Input type setting, range: 0000~0002 (0~2); 0:1U2d, 1:1P2d, 2:1A2b |
| 40019 | 0012 | CDP | R/W | Recover decimal point setting, range: 0000~0001 (0~1); 0:YES, 1:no |
| 40020 | 0013 | DP | R/W | Decimal point setting, range: 0000~0005 (0~5); 0:10 ⁰ , 1:10 ¹ , 2:10 ² , 3:10 ³ , 4:10 ⁴ , 5:10 ⁵ |
| 40021 | 0014 | ADDR | R/W | Address setting, range: 0000~00FF (0~255) |
| 40022 | 0015 | OPTIM1 | R/W | Alarm 1 output time setting, range: 0001~0063 (1~99) |
| 40023 | 0016 | OPTIM2 | R/W | Alarm 2 output time setting, range: 0001~0063 (1~99) |
| 40024 | 0017 | OPTIM3 | R/W | Alarm 3 output time setting, range: 0001~0063 (1~99) |
| 40025 | 0018 | OPTIM4 | R/W | Alarm 4 output time setting, range: 0001~0063 (1~99) |
| 40026 | 0019 | CODE | R/W | Pass code setting, range: 0000~4E1F (0~19999) |
| 40027 | 001A | AOFST | R/W | A/O offset setting, range: D8F1~270F (-9999~9999) |
| 40028 | 001B | AGAIN | R/W | A/O gain setting, range: D8F1~270F (-9999~9999) |
| 40029 | 001C | DIV | R/W | Input Pre-Divisioning, range: 00000001~000F423F (1~999999) Hi Bit |
| 40030 | 001D | | R/W | Input Pre-Divisioning, range: 00000001~000F423F (1~999999) Lo Bit |
| 40031 | 001E | SCALE | R/W | Input scale setting, range: 00000001~000F423F (1~999999) Hi Bit |
| 40032 | 001F | | R/W | Input scale setting, range: 00000001~000F423F (1~999999) Lo Bit |
| 40033 | 0020 | ANLO | R/W | A/O low scale setting, range: FFFCF2C1~000F423F (-199999~999999) Hi Bit |
| 40034 | 0021 | | R/W | A/O low scale setting, range: FFFCF2C1~000F423F (-199999~999999) Lo Bit |
| 40035 | 0022 | ANHI | R/W | A/O hi scale setting, range: FFFCF2C1~000F423F (-199999~999999) Hi Bit |
| 40036 | 0023 | | R/W | A/O hi scale setting, range: FFFCF2C1~000F423F (-199999~999999) Lo Bit |
| 40037 | 0024 | AL1 | R/W | Alarm 1 setpoint setting, range: FFFCF2C1~000F423F (-199999~999999) Hi Bit |
| 40038 | 0025 | | R/W | Alarm 1 setpoint setting, range: FFFCF2C1~000F423F (-199999~999999) Lo Bit |
| 40039 | 0026 | AL2 | R/W | Alarm 2 setpoint setting, range: FFFCF2C1~000F423F (-199999~999999) Hi Bit |
| 40040 | 0027 | | R/W | Alarm 2 setpoint setting, range: FFFCF2C1~000F423F (-199999~999999) Lo Bit |
| 40041 | 0028 | AL3 | R/W | Alarm 3 setpoint setting, range: FFFCF2C1~000F423F (-199999~999999) Hi Bit |
| 40042 | 0029 | | R/W | Alarm 3 setpoint setting, range: FFFCF2C1~000F423F (-199999~999999) Lo Bit |
| 40043 | 002A | AL4 | R/W | Alarm 4 setpoint setting, range: FFFCF2C1~000F423F (-199999~999999) Hi Bit |
| 40044 | 002B | | R/W | Alarm 4 setpoint setting, range: FFFCF2C1~000F423F (-199999~999999) Lo Bit |
| 40045 | 002C | RATE | R/W | Current display value, range: FFFCF2C1~000F423F (-199999~999999) Hi Bit |
| 40046 | 002D | | R/W | Current display value, range: FFFCF2C1~000F423F (-199999~999999) Hi Bit |

4.2 INDEX CODE SUPPLEMENT

* The following codes are for hexadecimal.

| Page / Name | Page / Name | Page / Name | Page / Name | Page / Name |
|-------------|-------------|-------------|-------------|---------------------|
| 00: SYS | 01: roP | 02: AoP | 03: doP | 04: P.Cod |
| 05: E-00 | 06: LoCK | 07: FiLtEr | 08: bUZZ | 09: ACCU |
| 0A: FKEY | 0B: PoLAr | 0C: ACT1 | 0D: ACT2 | 0E: ACT3 |
| 0F: ACT4 | 10: oPModE | 11: PAri | 12: bAUd | 13: FrAME |
| 14: tYPE | 15: CdP | 16: dP | 17: Addr | 18: oPtIM1 |
| 19: oPtIM2 | 1A: oPtIM3 | 1B: oPtIM4 | 1C: CodE | 1D: AoFSt |
| 1E: AGAin | 1F: div | 20: SCALE | 21: AnLo | 22: AnHi |
| 23: AL1 | 24: AL2 | 25: AL3 | 26: AL4 | 27: Current Display |