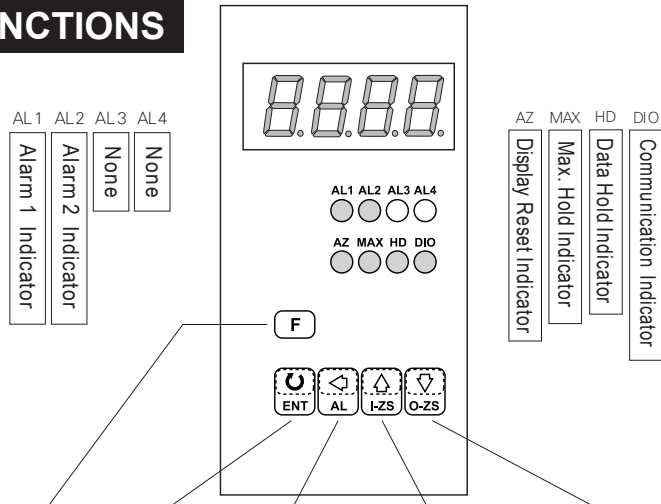


KEY FUNCTIONS



Function Key Enter Key & Save Key Shift Key & Alarm Setting Key Up Key & Display Setting Key Down Key & A/O Setting Key

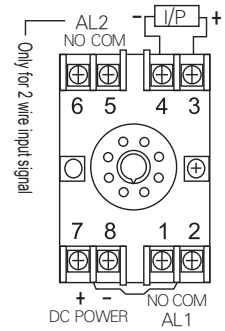
Measuring Status	Enable the setting function	Enter to parameter groups	Hold for 3 sec. enter to Alarm Setpoint Modification	Hold for 3 sec. enter to Display Group Setting	Hold for 3 sec. enter to A/O Group Setting.	<p>In any status can back to measuring status</p>
Parameter Page			Enter to parameter setting	Back to the last parameter page	Go to the next parameter page	
Parameter Setting	ALrSt. oFF nAR4. AP, Hd	Save the value	Move the cursor left	Increase the digit	Decrease the digit	

ERROR CODE OF SELF-DIAGNOSIS

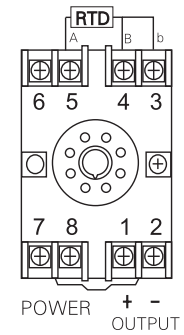
- 10FL** Input signal is over 120% of input range.
- 10FL** Input signal is under -10% of input range.
- AdEr** Input signal is over 180% of input range or meter error.
- doFL** Input signal is over display range (999999).
- doFL** Input signal is under display range (-199999).
- E-00** EEPROM reading / writing suffers the interference (about 1 million times).

WIRING CONNECTION

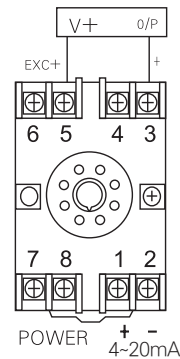
● Voltage, Current (AC, DC)



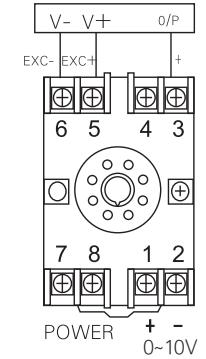
● Temperature (RTD)



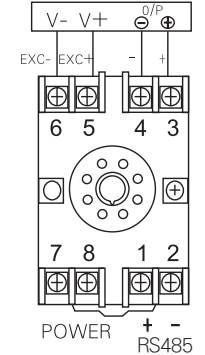
● 2 Wire Sensor



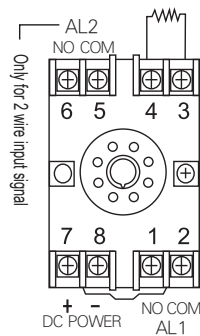
● 3 Wire Sensor



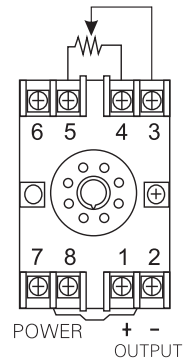
● 4 Wire Sensor or Load cell

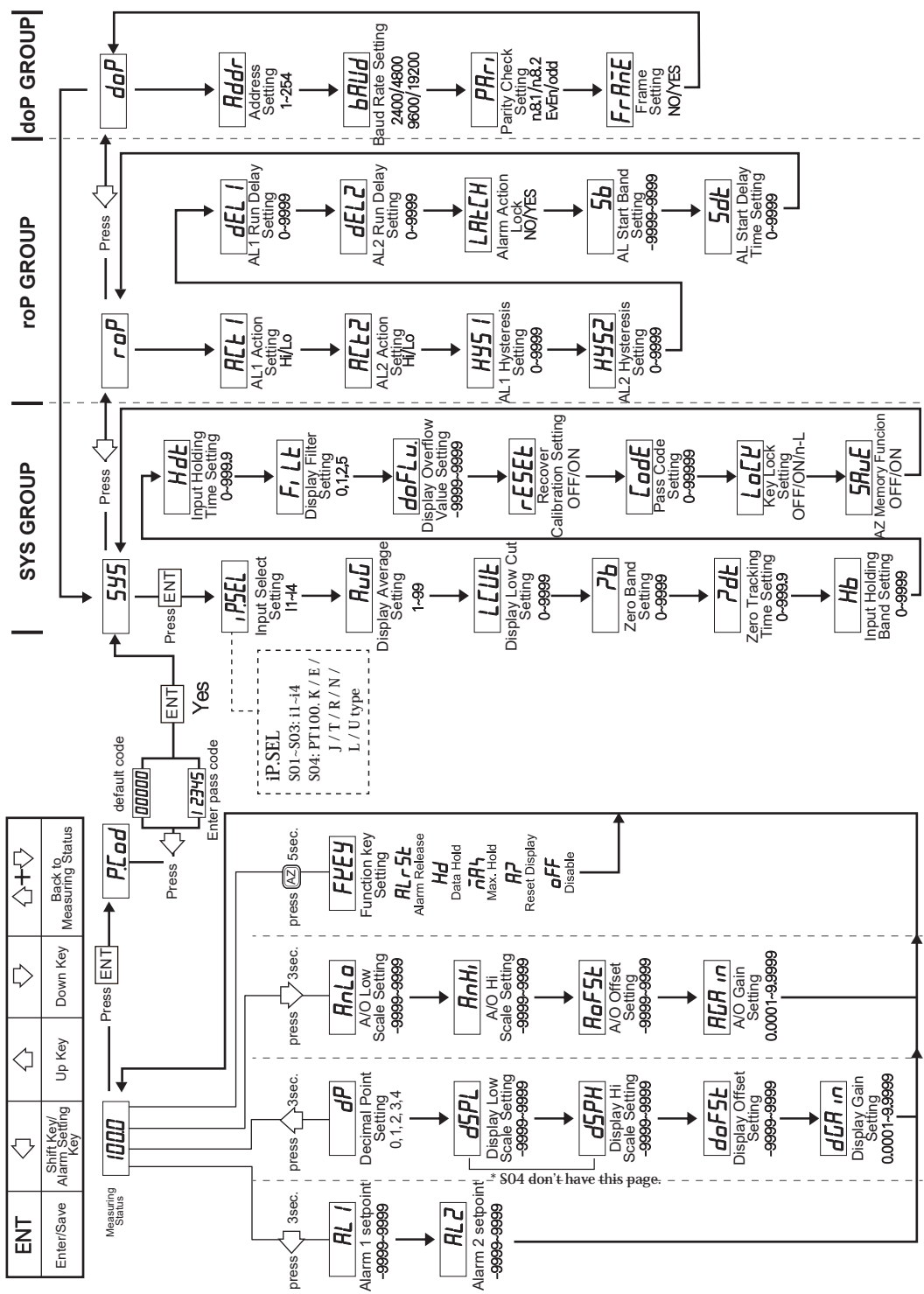


● 2 Wire Resistor



● 3 Wire Potentiometer



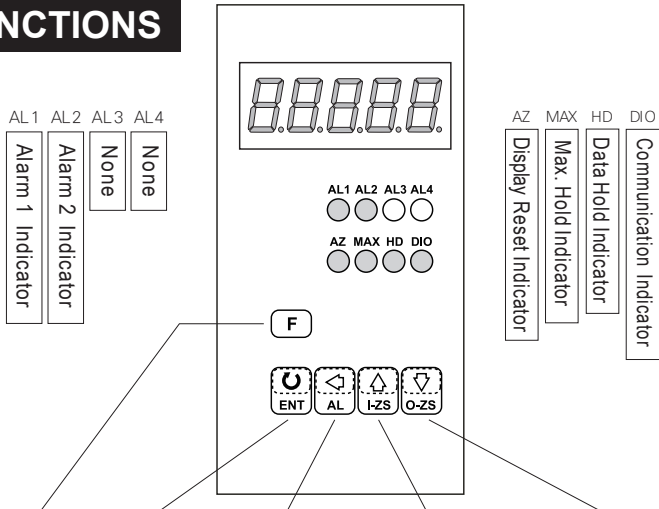


MODBUS RTU MODE PROTOCOL ADDRESS TABLE

Data: 16Bit / 32Bit, +/- is 8000~7FFF (-32768~32767), 80000000~7FFFFFFF(-2147483648~2147483647)

Modbus	HEX	Name	Descriptions	Act
40001	0000	DISPLAY	Current display; range:0000~7FFFF(0~32767)	R
40002	0001			
40003	0002			
40004	0003	DP	Decimal point setting; range: 0000~0003 (0~3) 0:10 ⁰ , 1:10 ¹ , 2:10 ² , 3:10 ³	R/W
40005	0004	BAUD	Baud rate setting; range: 0000~0003 (0~3) 0:2400, 1:4800, 2:9600, 3:19200	R/W
40006	0005	PARI	Parity setting; range: 0000~0003 (0~3), 0:N.8.1., 1:N.8.2., 2:EVEN, 3:ODD	R/W
40007	0006	AVG	Display average setting; range: 0001~0063 (1~99)	R/W
40008	0007	DISPLAY	Current display; range:0000~7FFFF(0~32767)	R/W
40009	0008	ADDR	Address setting; range: 0000~00FF (1~254)	R/W
40010	0009			
40011	000A			
40012	000B			
40013	000C			
40014	000D			
40015	000E			
40016	000F			
40017	0010			
40018	0011			
40019	0012	CODE	Pass code setting; range: 0000~270F(0~9999) Hi Bit	R/W
40020	0013		Pass code setting; range: 0000~270F(0~9999) Low Bit	R/W
40021	0014	DSPL	Display low scale setting; range:D8F1~270F(-9999~9999) Hi Bit	R/W
40022	0015		Display low scale setting; range:D8F1~270F(-9999~9999) Low Bit	R/W
40023	0016	DSPH	Display hi scale setting; range:D8F1~270F(-9999~9999) Hi Bit	R/W
40024	0017		Display hi scale setting; range:D8F1~270F(-9999~9999) Low Bit	R/W
40025	0018			
40026	0019	DISPLAY	Current display; range:D8F1~270F(-9999~9999) Hi Bit	R
40027	001A		Current display; range:D8F1~270F(-9999~9999) Low Bit	R
40028	001B			
40029	001C			
40030	001D			
40031	001E	DISPLAY	Current display; range:D8F1~270F(-9999~9999) Hi Bit	R
40032	001F		Current display; range:D8F1~270F(-9999~9999) Low Bit	R
40039	0026	DISPLAY	Current display; range:D8F1~270F(-9999~9999) Hi Bit	R
40040	0027		Current display; range:D8F1~270F(-9999~9999) Low Bit	R

KEY FUNCTIONS



	Function Key	Enter Key & Save Key	Shift Key & Alarm Setting Key	Up Key & Display Setting Key	Down Key & A/O Setting Key	
Measuring Status	Enable the setting function	Enter to parameter groups	Hold for 3 sec. enter to Alarm Setpoint Modification	Hold for 3 sec. enter to Display Group Setting	Hold for 3 sec. enter to A/O Group Setting.	<p>In any status can back to measuring status</p>
Parameter Page			Enter to parameter setting	Back to the last parameter page	Go to the next parameter page	
Parameter Setting	AL, SL, oFF, nR4, R2, Hd	Save the value	Move the cursor left	Increase the digit	Decrease the digit	

ERROR CODE OF SELF-DIAGNOSIS

- oFL** Input signal is over 120% of input range.
- oFL** Input signal is under -10% of input range.
- RdEr** Input signal is over 180% of input range or meter error.
- doFL** Input signal is over display range (999999).
- doFL** Input signal is under display range (-199999).
- E-oo** EEPROM reading / writing suffers the interference (about 1 million times).

WIRING CONNECTION

● Voltage, Current (AC, DC)

● Temperature (RTD)

● 2 Wire Resistor

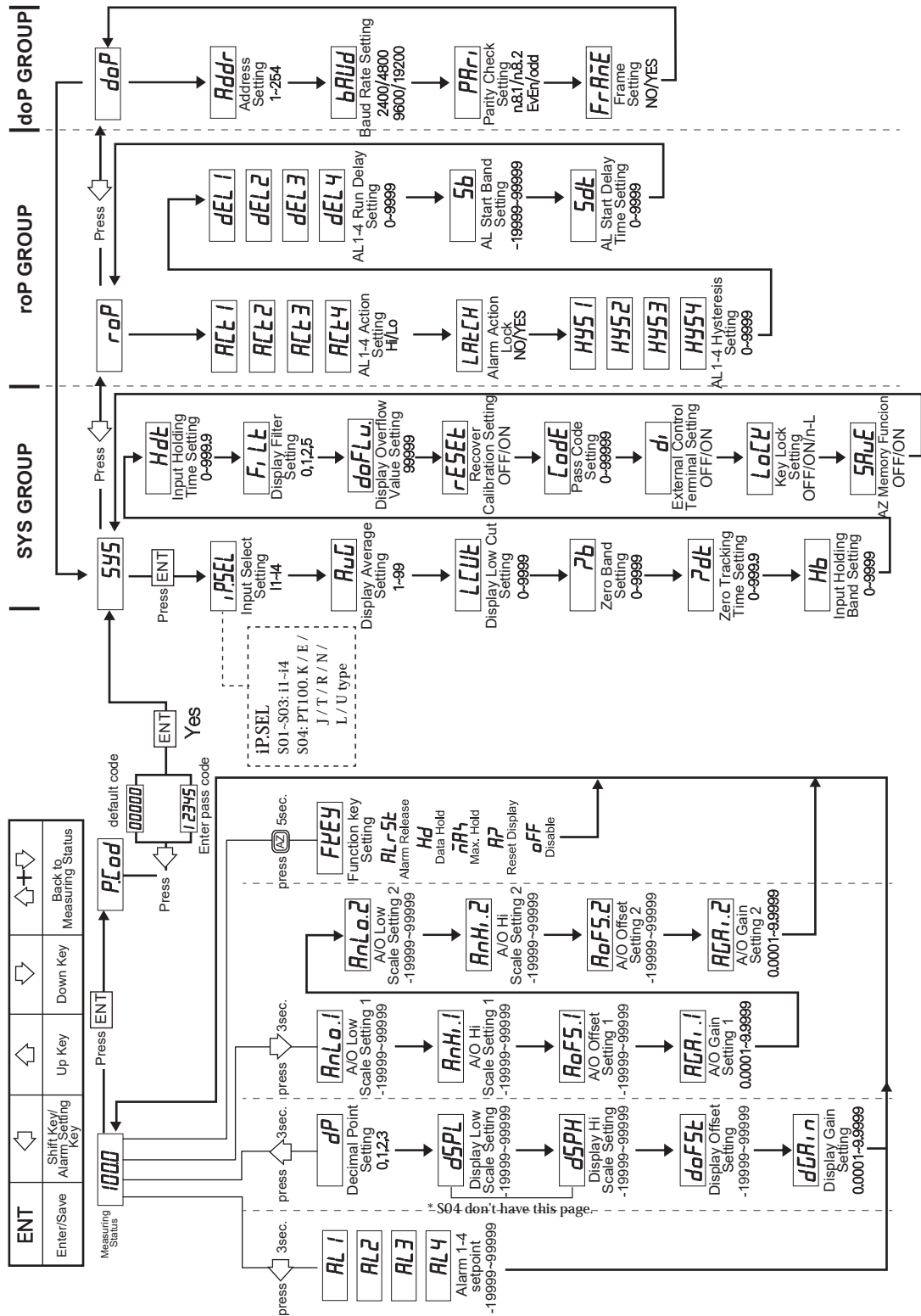
● 3 Wire Potentiometer

● Front Terminal

● 2 Wire Sensor

● 3 Wire Sensor

● 4 Wire Sensor or Load cell

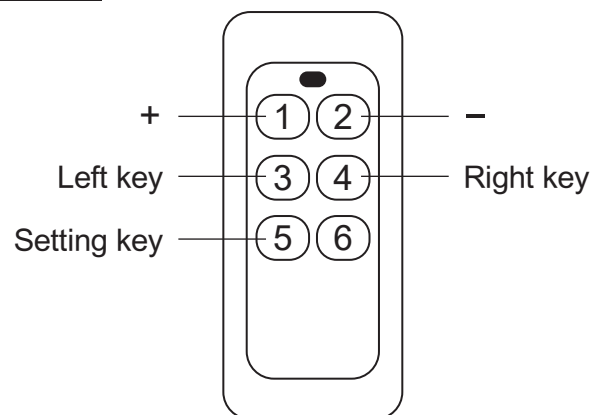


MODBUS RTU MODE PROTOCOL ADDRESS TABLE

Data: 16Bit / 32Bit, +/- is 8000~7FFF (-32768~32767), 80000000~7FFFFFFF(-2147483648~2147483647)

Modbus	HEX	Name	Descriptions	Act
40001	0000			
40002	0001	STATUS	Current alarm output & external control input status display; range:0000~00FE(0~0254) Bit0=AZ, Bit1=HDMAX, Bit2=HOLD, Bit4=AL1, Bit5=AL2, Bit6=AL3, Bit7=AL4	R
40003	0002			
40004	0003	DP	Decimal point setting; range: 0000~0003 (0~3) 0:10 ⁰ , 1:10 ¹ , 2:10 ² , 3:10 ³	R/W
40005	0004	BAUD	Baud rate setting; range: 0000~0003 (0~3) 0:2400, 1:4800, 2:9600, 3:19200	R/W
40006	0005	PARI	Parity setting; range: 0000~0003 (0~3), 0:N.8.1., 1:N.8.2., 2:EVEN, 3:ODD	R/W
40007	0006	AVG	Display average setting; range: 0001~0063 (1~99)	R/W
40008	0007			
40009	0008	ADDR	Address setting; range: 0000~00FF (1~254)	R/W
40010	0009			
40019	0012	CODE	Pass code setting; range:00000000~0001869F(0~99999) Hi Bit	R/W
40020	0013		Pass code setting; range:00000000~0001869F(0~99999) Low Bit	R/W
40021	0014	DSPL	Display low scale setting; range:FFFFB1E1~0001869F(-19999~99999) Hi Bit	R/W
40022	0015		Display low scale setting; range:FFFFB1E1~0001869F(-19999~99999) Low Bit	R/W
40023	0016	DSPH	Display hi scale setting; range:FFFFB1E1~0001869F(-19999~99999) Hi Bit	R/W
40024	0017		Display hi scale setting; range:FFFFB1E1~0001869F(-19999~99999) Low Bit	R/W
40025	0018			
40026	0019	DISPLAY	Current display; range:FFFFB1E1~0001869F(-19999~99999) Hi Bit	R
40027	001A		Current display; range:FFFFB1E1~0001869F(-19999~99999) Low Bit	R
40028	001B			
40029	001C			
40030	001D			
40031	001E	DISPLAY	Current display; range:FFFFB1E1~0001869F(-19999~99999) Hi Bit	R
40032	001F		Current display; range:FFFFB1E1~0001869F(-19999~99999) Low Bit	R
40039	0026	DISPLAY	Current display; range:FFFFB1E1~0001869F(-19999~99999) Hi Bit	R
40040	0027		Current display; range:FFFFB1E1~0001869F(-19999~99999) Low Bit	R
40049	0030			
40050	0031			
40059	003A	AL1	Alarm 1 Setting range:FFFFB1E1~0001869F(-19999~99999) Hi Bit	R/W
40060	003B		Alarm 1 Setting range:FFFFB1E1~0001869F(-19999~99999) Low Bit	R/W
40061	003C	AL2	Alarm 2 Setting range:FFFFB1E1~0001869F(-19999~99999) Hi Bit	R/W
40062	003D		Alarm 2 Setting range:FFFFB1E1~0001869F(-19999~99999) Low Bit	R/W
40063	003E	AL3	Alarm 3 Setting range:FFFFB1E1~0001869F(-19999~99999) Hi Bit	R/W
40064	003F		Alarm 3 Setting range:FFFFB1E1~0001869F(-19999~99999) Low Bit	R/W
40065	0040	AL4	Alarm 4 Setting range:FFFFB1E1~0001869F(-19999~99999) Hi Bit	R/W
40066	0041		Alarm 4 Setting range:FFFFB1E1~0001869F(-19999~99999) Low Bit	R/W

Remote control



Press the 5 key to enter the first row setting (the flash position is the adjustment position).
 1 plus, 2 minus, 3 moving left, 4 moving right.
 Press key 5 to enter the second row of setting (the method is the same as above).
 Press key 5 to enter the third row of setting (the method is the same as above).
 Press key 5 to enter the fourth row of setting (the method is the same as above).
 Press key 5 to enter the fifth row setting (the method is the same as above).
 Press key 5 to save and exit.

1. Compensation value: Press the "5" key 6 times in a non setting state to enter the "6 data compensation values" setting in sequence after entering the settings, the flashing position is the adjustment position. Press 1 plus 2 minus, 3 left and 4 right, and then press the "5" button again. Just save and exit the settings. After exiting the settings, there is no flashing bit on the screen.
2. Range upper limit: Press key 1 to enter the 20mA upper limit value setting when not in the set state (The pen end on the first digit of the digital tube is always on). After entering the setting, the flashing position is the adjustment position. Press 1+2 subtract 3, move left, and move right. After setting 1 set of data, press the "5" button 5 times to enter in sequence Next set of data settings (same as above), after setting, press the "5" button again to save and exit the setup, there is no flashing bit on the screen after exiting the setup
3. Lower range limit: Press the 2 key to enter the 4mA lower limit value setting when not in the set state (The lower pen end of the first digit of the digital tube is always on). After entering the setting, the flashing position is the adjustment position. Press 1 to add 2 to subtract, move 3 to the left and 4 to the right. After setting 1 set of data, press the "5" button 5 times to enter the next set of data in sequence set (the same method as above), press the "5" button again to save and exit the settings after completion, after exiting the setup, there is no flashing bit on the screen
4. Time: When not in the set state, press the "6" key to enter the "Year, Month, Day, and Hour" settings in sequence after entering the settings, the flashing position is the adjustment position. Press 1 plus 2 minus, 3 left and 4 right, and then press the "6" button again Just save and exit the settings. After exiting the settings, there is no flashing bit on the screen
 Note: If there is no setting operation on the screen after entering the settings, it will automatically return to the original interface after 30 seconds.