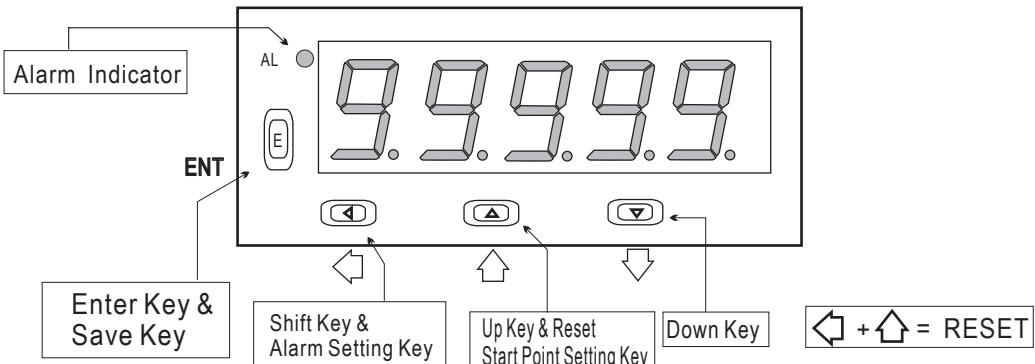


*Please understand key indicators & functions at the first operation.

FRONT PANEL & KEY FUNCTIONS



Key Name	Symbol	Descriptions
Enter Key & Save Key	ENT	1. In the measuring status, press this key can enter to parameter pages. 2. In the parameter setting, press this key can save the value & go to next parameter.
Shift Key & Alarm Setting Key	⇐	1. In the measuring status, press this key for 3 sec can enter to alarm setting page. (The selecting digit will be flashed) 2. In the parameter setting, press this key can move the cursor left.
Up Key & Reset Start Point Setting Key	⇑	1. In the measuring status, press this key for 3 sec can enter to reset start point setting adjustment. 2. In the parameter setting, press this key can increase the digits.
Down Key	⇓	1. In the parameter setting, press this key can decrease the digits.

- **1. The following block charts are parameters codes, parameter codes & parameters will alternate flashing. if the parameters can be modified.
- 2. To modify the parameters, please press⇐⇑⇓, and press ENT to save the parameters after the modification.
- 3. Please don't forget the new pass code after modification.
- 4. In any pages, press⇑&⇓, or don't press any keys for 2 minutes that will back to measuring status.
- 5. In the measuring status, press⇐&⇑ can reset the digits.

GENERAL MODE OPERATING PROCEDURES

Block Charts	Display	Descriptions	Default
Power On		Alarm Setpoint	
	Measuring Status	Present value for measurement.	
	Alarm Setpoint (AL)	Press⇐⇑⇓to modify alarm setpoint.	00000
		Reset Start Point	
	Measuring Status	Present value for measurement.	
	Reset Start Point Setting(rSt)	Press⇐⇑⇓to modify reset start point.	00000

PROGRAMMING MODE OPERATING PROCEDURES

Block Charts	Display	Descriptions	Default
Power ON		Measuring Status	Present value for measurement.
	Pass Code (P.Cod)	Press⇐⇑⇓to enter pass code. Pass code is correct that will enter to parameter groups. Pass code is wrong that will back to measuring status.	00000
	System Setting Page (SYS)	Press⇐ to select system setting group (SYS) or alarm setting group (roP).	
	Decimal Point Setting (dP)	Press⇐⇑⇓to select decimal point (0, 1, 2, 3, 4) EX: if the value shows "0.00" that means the decimal point is 2 digits.	0
	Input Type Setting (tYPE)	Press⇐⇑⇓to modify the input type. (1U2D/1P2D/1A2B)	Customers specify
	1A2B Accurate Setting (ACCU)	Press⇐⇑⇓to modify 1A2B accurate (X1, X4).	Customers specify
	Scale Coefficient Adjustment (SCALE)	Press⇐⇑⇓to modify scale coefficient (0.001 ~99.999).	1.0000
	Pre-Division Setting (div)	Press⇐⇑⇓to modify pre-division (1~999999).	00001
	Pass Code Setting (CodE)	Press⇐⇑⇓to modify pass code (0~99999). PS: Please don't forget the new pass code after modification.	00000
	Key Lock Setting (LoCK)	Press⇐⇑⇓to lock the keys, using key lock function only can view the parameters, but cannot modify any values. PS: no (unlock), YES ("ENT" unlock, others lock).	no
Alarm Setting Group Procedures			
	Alarm Setting Page (roP)	The following steps are not available for alarm output.	
	Alarm Action Setting (ACT)	Press⇐⇑⇓to modify alarm value that is ≥(Hi) or <(Lo) for alarm action.	Hi
	Alarm Mode Setting (oP.ModE)	Press⇐⇑⇓to modify alarm output mode (N, R, C). N: manual; R: return; C: continue	00000
	Alarm Run Time Setting (oP.tiME)	Press⇐⇑⇓to modify alarm run time (1~99).	00000

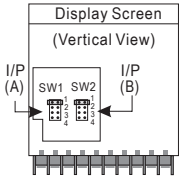
ERROR CODE of SELF-DIAGNOSIS

Display	Descriptions	Remark
E-00	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.

**Relay Output Mode Descriptions:

- N: (Manual); the relay is on when the present value reaches the alarm setpoint, the present value is still counted and the relay don't deactivate until manual reset by "reset key" or "external control terminal". Then the present value is reset to zero.
- R: (Return); the relay is on when the present value reaches the alarm setpoint, the present value is counted until the relay output time is terminated. Then the present value is reset to zero.
- C: (Continue); the relay is on when the present value reaches the alarm setpoint, the present value is reset to zero. And the relay is still on until the relay output time is terminated.

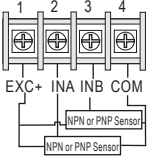
INPUT SIGNAL MODIFICATION



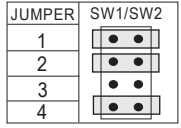
**To Select the pin to modify the input signal for different sensors.
 PS: In dual input type, excitation power must be the same.

SW1/SW2	JUMPER	DEFINITION
••	1	Open: 12V; Close: 5V
••	2	Open: 100KHz; Close: 100Hz
••	3	Open: NPN; Close: PNP
••	4	Open: PNP; Close: NPN

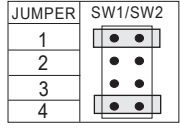
**Connection:



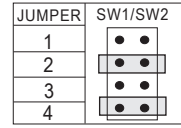
NPN (5V): 0~100 Hz



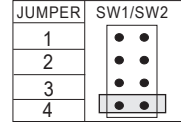
NPN (5V): 0~100 KHz



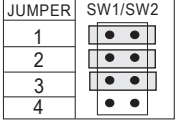
NPN (12V): 0~100 Hz



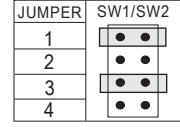
NPN (12V): 0~100 KHz



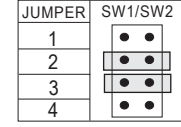
PNP (5V): 0~100 Hz



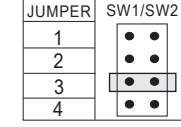
PNP (5V): 0~100 KHz



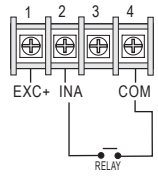
PNP (12V): 0~100 Hz



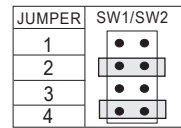
PNP (12V): 0~100 KHz



**Connection:



Relay Contact: NPN 0~100 Hz



**For relay input type, please select NPN 0~ 100 Hz.