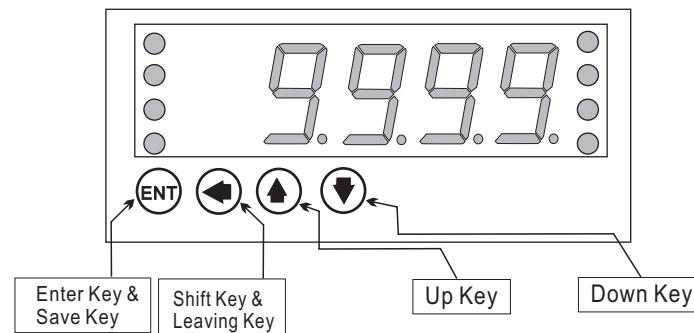


* Please understand key indicators & functions at the first operation.

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 & Leaving Key	◀	1. In the any status, press this key for 1 sec can go back the previous page. 2. In the parameter setting , press this key can move the cursor left.
Up Key	↑	1. In the parameter group, press this key can go on to the next parameter. 2. In the parameter setting , press this key can decrease the digits.
Down Key	↓	1. In the parameter group, press this key can go back to the last parameter. 2. 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 parameter 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.

GENERAL MODE OPERATING PROCEDURES

Block Charts	Display	Descriptions	Default
Power ON		Max / Min Value & Alarm Setpoint	
Press ▶ for 1 sec		Measuring Status	Present value for measurement
Press ▲▼		Min Value Display	Press ▲▼ to go on / go back to the next(last) parameter.
Press ▲▼		Max Value Display	Press ▲▼ to go on / go back to the next(last) parameter.
Press ▲▼		Max / Min Reset Setting (M.rst)	Press ENT to enter the setting, and reset the Max/Min value.
Press ▲▼		Alarm 1 Setpoint (rY1.SP)	Press ENT to enter the setting, and modify alarm 1 setpoint.
Press ▲▼		Alarm 2 Setpoint (rY2.SP)	Press ENT to enter the setting, and modify alarm 2 setpoint.
Press ▲▼		Software Version Display	Press ▲▼ to go on / go back to the next(last) parameter.

Remark: 1. There are 4 parameter groups of "System Setting Group(inPUT)", "Alarm Setting Group(rELAY)", "Analog Output Setting Group (Ao)" & "RS485 Setting Group (rS485)" for modification.
2. Press to select each group page, and press ENT to enter each group or parameter page for modification or saving the parameters.
3. Some of optional functions of parameter pages still exist, but the functions are disable.

PROGRAMMING MODE OPERATING PROCEDURES

Block Charts	Display	Descriptions	Default
Power On		Parameter Group Setting Procedures	
Press ENT		Measuring Status	Present value for measurement
Press ENT		Pass Code (P.Cod)	Press to enter pass code.
P.Code Correct		NO	Pass code is correct that will enter to parameter groups.
YES		YES	Pass code is wrong that will back to measuring status.
Press ENT		System Setting Group	(inPUT)
Press ENT		Alarm Setting Group	(rELAY)
Press ENT		A/O Setting Group	(Ao)
Press ENT		RS485 Setting Group	(rS485)

Display	Descriptions	Default
 Press ENT	System Setting Page (inPUt)	
 Press ↗↓	Decimal Point Setting (d.P) Press ENT to enter the setting, and select decimal point (0, 1, 2, 3). EX: if the value shows "0.00" that means the decimal point is 2 digits.	Customers specify
 Press ↗↓	Display Low Scale Setting (dSPLo) Press ENT to enter the setting, and modify display low scale for the input signal zero value. EX: If the input signal is 4~20mA; 4mA is shown display 0.00, this parameter must be set for 000.00.	Customers specify
 Press ↗↓	Display Hi Scale Setting (dSPHi) Press ENT to enter the setting, and modify display high scale for the input signal span value. EX: If the input signal is 4~20mA; 20mA is shown display 100.00, this parameter must be set for 100.0.	Customers specify
 Press ↗↓	Display Zero Adjustment (Pv.Zro) Press ENT to enter the setting, and adjust display zero adjustment	0000
 Press ↗↓	Display Span Adjustment (Pv.Spn) Press ENT to enter the setting, and adjust display span adjustment	0000
 Press ↗↓	Display Low Cut Setting (Lo.CUT) Press ENT to enter the setting, and modify display low cut to 0 (0~99).	0005
 Press ↗↓	Display Average Setting (AvG) Press ENT to enter the setting, and modify display average (1~99). PS: Please use this function for stable display value	0002
 Press ↗↓	Moving Average Setting (M.AvG) Press ENT to enter the setting, and modify moving average (1~99). PS: Please use this function for stable display value	0005
 Press ↗↓	Digital Filter Setting (d.Flt) Press ENT to enter the setting, and modify digital filter setting.	0002
 Press ↗↓	Pass Code Setting (P.Code) Press ENT to enter the setting, and modify pass code (0~1999 9). PS: Please don't forget the new pass code after modification.	0000
Alarm Setting Group Procedures		
 Press ENT	The following steps are only available for alarm output.	
 Press ↗↓	Alarm Setting Page (rELAY)	
 Press ↗↓	Alarm Start Band Setting (rY.Sb) Press ENT to enter the setting, and modify the value (-99~+99), if the display value don't over this range; the alarm will not be act.	0000
 Press ↗↓	Alarm Start Band Time Setting (rY.Sd) Press ENT to enter the setting, and modify the value (0~99 sec), if the display value reach alarm start band value; the alarm will be act after this value (sec). (The function is used with "Sb" function.)	0000
 Press ↗↓	Alarm 1 Action Setting (rY1.Md) Press ENT to enter the setting, and modify alarm value that is \geq (Hi) or \leq (Lo) for alarm action.	H,
 Press ↗↓	Alarm 1 Hysteresis Setting (rY1.HY) Press ENT to enter the setting, and modify the value, when alarm runs lower or higher display value (depends on alarm action). Alarm setpoint \pm this range (0~9999) will turn off the alarm.	0000
 Press ↗↓	Alarm 1 Delay Time Setting (rY1.rd) Press ENT to enter the setting, and modify the value, when the display value reach the alarm value that need to wait for this time (0~99 sec) for alarm action.	0000
 Press ↗↓	Alarm 1 Return Time Setting (rY1.rd) Press ENT to enter the setting, and modify the value, when the display value reach the alarm value that need to wait for this time (0~99 sec) for alarm return .	0000
 Press ↗↓	Alarm 2 Action Setting (rY2.Md) Please refer to the above Alarm 1 group setting procedure.	
 Press ↗↓	Alarm 2 Hysteresis Setting (rY2.HY)	
 Press ↗↓	Alarm 2 Delay Time Setting (rY2.rd)	
	Alarm 2 Return Time Setting (rY2.rd)	

Display	Descriptions	Default
 Press ENT	A/O Setting Page (Ao)	
 Press ↗↓	A/O Polarity Setting (Ao.tYP) The following steps are only available for analog output.	no
 Press ↗↓	A/O Low Scale Setting (Ao.LS) Press ENT to enter the setting, and adjust A/O low scale to correspond to the display value (programmable). EX: A/O is 0~10V, the display is 10.0 to output 0V, this value must be set for 10.0.	0000
 Press ↗↓	A/O Hi Scale Setting (Ao.HS) Press ENT to enter the setting, and adjust A/O hi scale to correspond to the display value (programmable). EX: A/O is 0~10V, the display is 90.0 to output 10V, this value must be set for 90.0.	9999
 Press ↗↓	A/O Zero Adjustment (Ao.Zro) Press ENT to enter the setting, and adjust A/O zero adjustment	0000
 Press ↗↓	A/O Span Adjustment (Ao.Spn) Press ENT to enter the setting, and adjust A/O span adjustment	0000
 Press ↗↓	A/O Adjustment Reset Setting (Z.S.Clr) Press ENT to enter the setting, and reset the A/O adjustment.	
RS485 Setting Group Procedures		
 Press ENT	RS485 Setting Page (doP)	
 Press ↗↓	Address Setting (Addr) The following steps are only available for RS-485.	0000
 Press ↗↓	Baud Rate Setting (bAUd) Press ENT to enter the setting, and select baud rate (38400/19200/9600/4800)	19200
 Press ↗↓	Parity Setting (PAri) Press ENT to enter the setting, and select parity (n.8.2/n.8.1/even/odd)	n.8.2