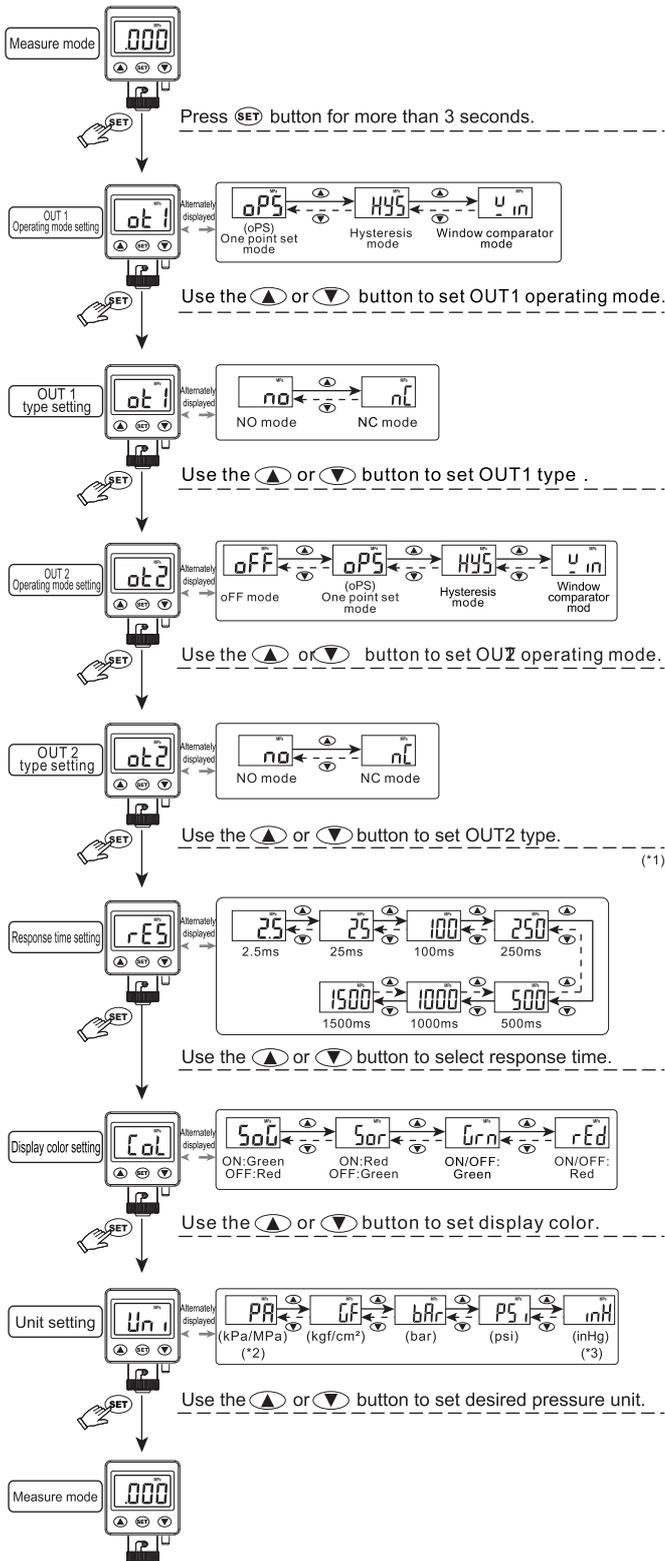
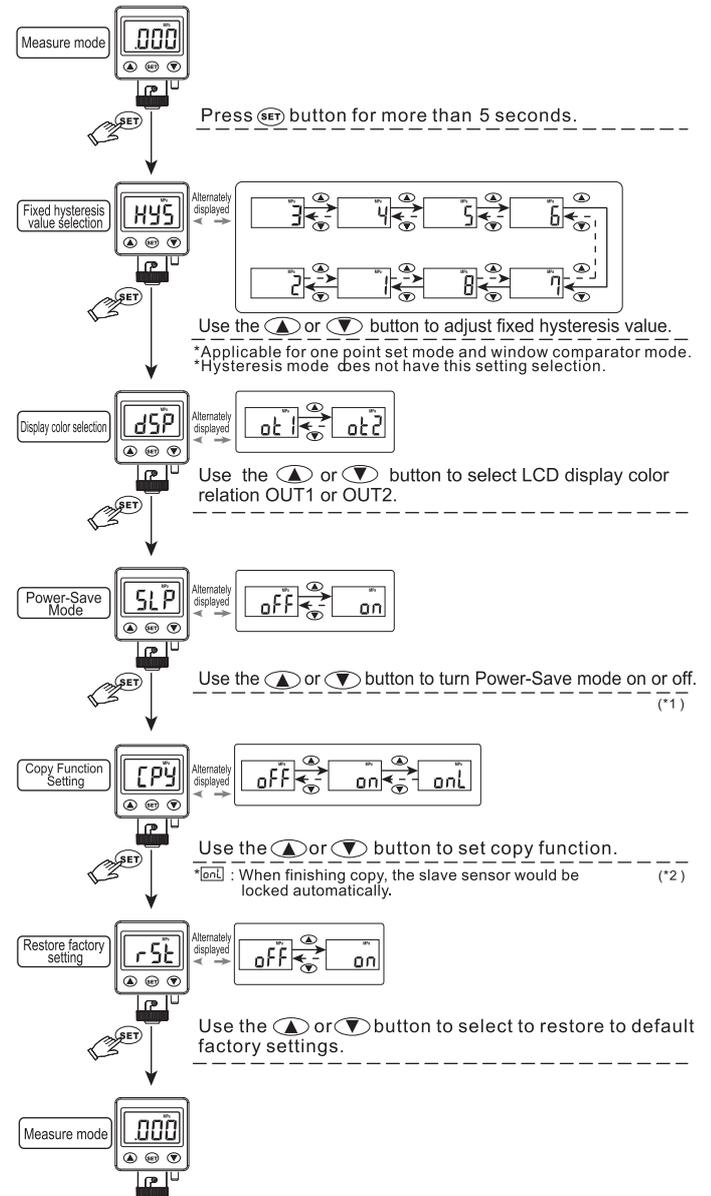


G. INITIAL SETTING MODE



- [NOTE :]**
- *1. This setting mode will not display when output 2 is set to oFF.
 - *2. Pressure unit is MPa with positive and high pressure.
Pressure unit is kPa with vacuum and compound pressure.
 - *3. Only applicable for Vacuum/Compound.

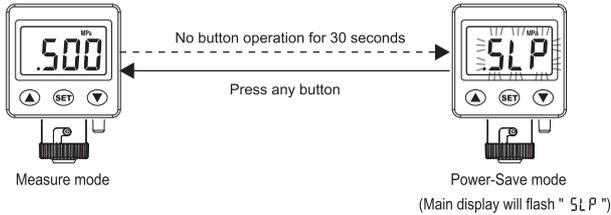
H. ADVANCE SETTING MODE



- [NOTE :]**
- *1. When setting is "on", the power-save mode is active.
Please refer to the item "□" in detail.
 - *2. When setting "on" or "onL", the display copy function mode is active.
Please refer to the item "□" in detailed.

I. POWER-SAVE MODE

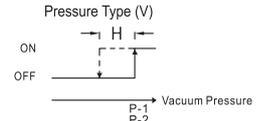
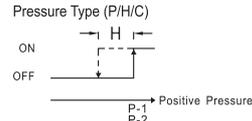
- During Power-Save mode, the main display will turned off if no buttons is pressed after 30 seconds.
- During Power-Save mode, the output LCD may not be synchronize with the output. It is normal and will not affect output operation.
- Press any button to turn-on main display temporarily.



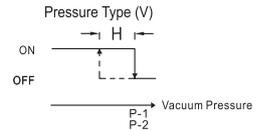
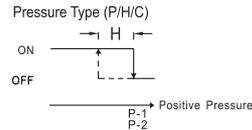
L. OUTPUT TYPE 1

(1) One point set mode:

Normal open mode

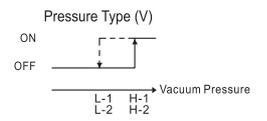
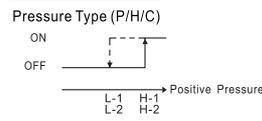


Normal close mode

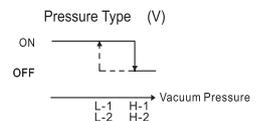
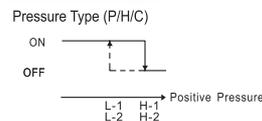


(2) Hysteresis mode:

Normal open mode

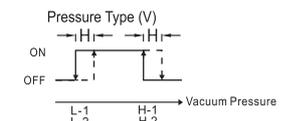
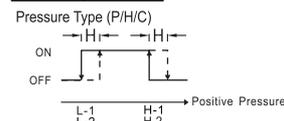


Normal close mode

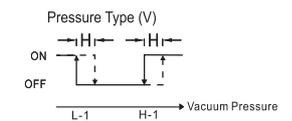
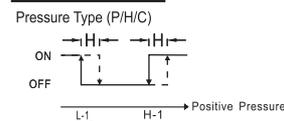


(3) Window comparator mode:

Normal open mode



Normal close mode

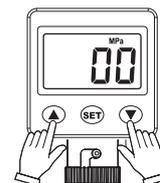


【NOTE :】

- *1. In case hysteresis is set at less than or equal to 2 digits, switch output may chatter if input pressure fluctuates near the set point.
- *2. When using window comparator mode, the difference between two set points must be greater than the fixed hysteresis, otherwise will cause the switch output to malfunction.

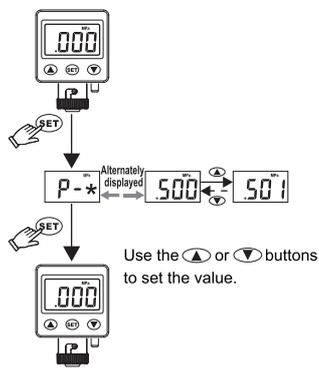
M. ZERO POINT SETTING

Use the $\uparrow + \downarrow$ button at the same time until the "00" is shown. Release the button to end zero setting.



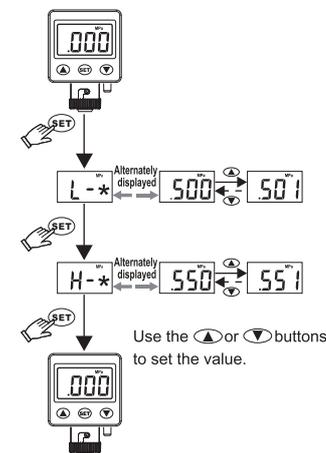
J. PRESSURE SETTING MODE

One point set mode :



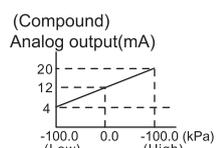
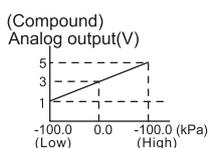
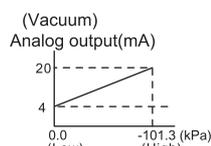
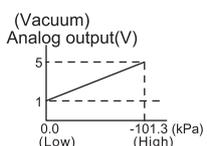
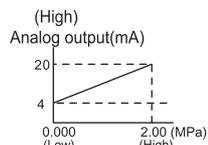
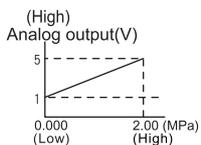
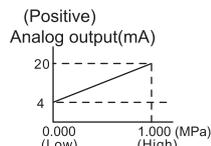
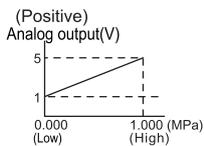
When out 1, "" displays 1
When out 2, "*" displays 2.

Hysteresis mode / Window comparator mode :



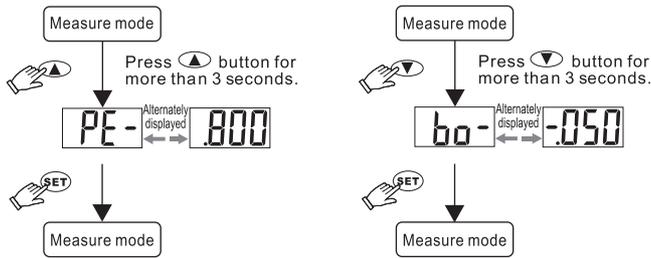
K. ANALOG OUTPUT DESCRIPTION

Analog output range 1~5V or 4~20mA, proportional to the pressure range.

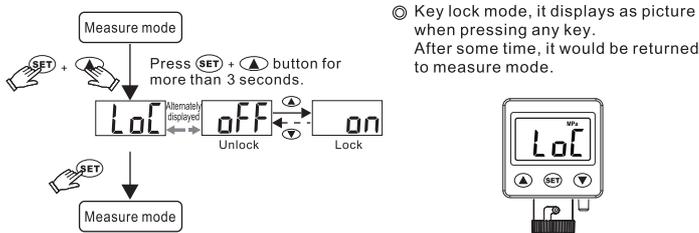


N. THE MAX. & MIN. DISPLAY MODE

- ⊙ The Max. value display mode :
- ⊙ The Min. value display mode :



O. KEY LOCK/UNLOCK MODE

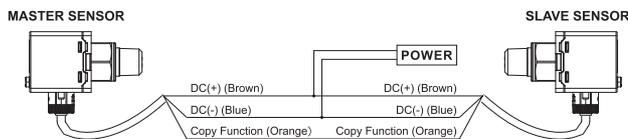


P. COPY FUNCTION SETTING

- ⊙ Copy function setting can use the master sensor to copy the pressure value to the slave sensors.
- ⊙ Before copying, please confirm the model of pressure sensor. The function cannot be used in different model.
- ⊙ The copy function only can be one-to-one.

[SETTING STEP]

1. Please set the copy function to **[on]** or **[on]** to be on copy condition by master sensor. Please refer the copy setting of (H) advance setting mode.
2. Turn power off to both sensor.
3. Refer the connection way with the master and slave sensor as follows.



4. Turn on power at same time. (* 1)
5. Wait 5 sec., when finishing to convey the data, the master sensor display (alternately display) **[CPy]** (alternately display) the slave sensor display (alternately display) **[SLv]** (alternately display)
6. When convey the data failed, (Master) sensor displays **[CPy]** (Slave) sensor displays **[ErB]** (* 2)
7. Turn off power and remove the wire connection. If no remove the wire connection, the sensor would be broken.

- ★ If require to copy another slave sensor, please repeat the step ③ to ⑤ .
- ★ Only for KP50E□-02-□ and KP50E□-04-□ have this setting selection.

[NOTE]

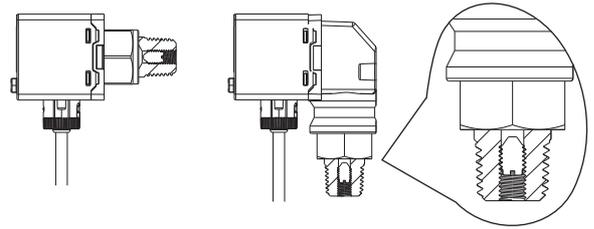
- *1. If turn on power is not synchro rization, the data cannot be copied.
- *2. When the data conveys fail, please check the wire connection. Then repeat the step ③ to ⑤ .

⊙ How to cancel the copy mode :

When the master sensor display **[CPy]** (display reciprocal), Please **[v]** button to leave the copy mode.

Q. REMOVABLE SNUBBER INSTALLED

Pressure port equipped with snubber can avoid damage caused by sudden pressure surge of water or oil, improve product durability.

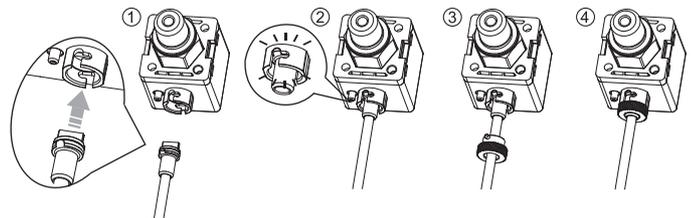


- *When snubber is clogged with contaminants, please use a flat head screwdriver to remove the snubber, clean and reinstall.
- *Snubber is not applied to F1C port.

R. WIRE INSTALLATION INSTRUCTION

Please install the wire as the following step.

- Turn upward the salient point by terminal (See figure ①)
- Install to the terminal to the groove by pressure sensor (See figure ②)
- Terminal cover install to the products. (See figure ③)
- Turn the terminal cover to lock. (See figure ④)



[NOTE:] Recommend not insert-extract over 20 times.

S. ERROR CODE INSTRUCTION

Error Type	Errorcode	Error Condition	Troubleshooting
Excess load current error	out1 Er1	Output 1 load current is more than 125 mA	Turn power off and check the cause of overload current or lower the current load under 125 mA, then restart.
	out2 Er2	Output 2 load current is more than 125 mA	
Residual pressure error	Er3	During zero reset, ambient pressure is over ±3% F.S. (KP50EH series is ±1.5% F.S.)	Change input pressure to ambient pressure and perform zero reset again.
Applied pressure error	HHH	Supply pressure exceeds the upper limit of pressure setting.	Adjust the pressure within operating pressure range.
	LLL	Supply pressure exceeds the lower limit of pressure setting.	
System error	Er4	Internal system error	Turn power off, and then restart. If error condition remains, please return to factory for inspection.
	Er5	Internal system error	
	Er6	Internal data error	
	Er7	Internal data error	
Copy data error	Er8	Copy data error	Please check the model no. and wire connection. Restart on turn on power if no return to normal condition, please return to factory for inspection.

T. PRESSURE UNIT CONVERSION TABLE

From To	Pa	kPa	MPa	kgf/cm ²	psi	bar	inHg
1 Pa	1	0.001	0.000001	0.00010197	0.000145038	0.00001	0.0002953
1 kPa	1000.000	1	0.001000	0.010197	0.145038	0.010000	0.2953
1 MPa	1000000	1000	1	10.197	145.038	10	295.2998
1 kgf/cm ²	98066.5	98.0665	0.0980665	1	14.2233	0.980665	28.95979
1 psi	6895	6.895	0.006895	0.07031	1	0.06895	2.036074
1 bar	100000.0	100.0000	0.100000	1.01972	14.5038	1	29.52998
1 inHg	3386.388	3.386388	0.003386	0.034530	0.491141	0.033863	1