

The meanings of the LED symbols

PASS : enter the setting mode (please input the password : 1000)

Addr : the symbol representing the setting address.

bAud : the symbol representing the setting baud rate.

FrAn : setup the parity check.

The relays of the first group (please input the password : 2000)

r1tP : select dew point, temperature and humidity.

r1ACt : select the action Hi or Lo.

r1SEt : setup the action determination value.

r1HYS : setup the action interval value.

r1rno : setup the the deadband.

r1dLY : setup the action delay time.

The relays of the second group.

r2tP : select dew point, temperature and humidity.

r2ACt : select the action Hi or Lo.

r2SEt : setup the action determination value.

r2HYS : setup the action interval value.

r2rno : setup the deadband.

r2dLY : setup the original action time.

※ **Relay 3, Relay 4 same steps as above.** ※

(Please input the password : 3000)

PUS1 : setup the temperature compensation value.

PUS2 : setup the humidity compensation value.

Button instruction

[M] : option button **[▶]** : shift button

[▲] : 0~9 cycle button **[E]** : confirmation button

The operation instruction begins

PASS :

(1) press **[M]** to display PASS.

(2) press **[▶]**, and then the LED at thousands place will blink.

(3) press **[▲]** to select a number that you need from 0→1→...→9.

※ The operation steps for the hundreds place, tens place and ones place are the same with the above.

(4) press **[E]** to save the data and enter Addr.

※ The factory default is 1000

Addr : (1) press **[▶]** to check the setting values.

(2) press **[▶]** to display $10^1 \rightarrow 10^0$ in a circular manner.

(3) press **[▲]** to change from 0~9, A~F.

(4) press **[E]** to save data.

(5) press **[M]** to leave Addr and then enter bAud

bAud : (1) press **[▶]** to check the setting values.

(2) press **[▲]** to change it within 9.6K, 4.8K, 2.4K, 115.2K, 57.6K, 38.4K, 19.2K.

(3) press **[E]** to save data.

(4) press **[M]** to leave bAud and then enter FrAnE

FrAnE : (1) press **[▶]** to check the setting values.

(2) press **[▲]** to change it within N.8.1, N.8.2, E.8.1, O.8.1.

(3) press **[E]** to save data.

(4) press **[M]** to leave FrAnE and then enter the measured value

PASS :

(1) press **[M]** to display PASS.

(2) press **[▶]**, and then the LED at thousands place will blink.

(3) press **[▲]** to select a number that you need from 0→1→...→9.

※ The operation steps for the hundreds place, tens place and ones place are the same with the above.

(4) press **[E]** to save the data and enter r1tP.

※ The factory default is 2000

r1tP : (1) press **[▶]** to check the setting values.

(2) press **[▲]** to change CO2, temperature and humidity.

(3) press **[E]** to save data.

(4) press **[M]** to leave r1tP and then enter r1ACt

r1ACt : (1) press **[▶]** to check the setting values.

(2) press **[▲]** to setup the action Hi or Lo.

(3) press **[E]** to save data.

(4) press **[M]** to leave r1ACt and then enter r1SEt

r1SEt :

(1) press **[▶]** to check the setting values.

(2) press **[▶]**, and then the LED at thousands place will blink.

(3) press **[▲]** to select a number that you need from 0→1→...→9.

※ The operation steps for the hundreds place, tens place and ones place are the same with the above.

(4) press **[E]** to save the data.

(5) press **[M]** to leave r1SEt and then enter r1HYS.

r1HYS :

(1) press **[▶]** to check the setting values.

(2) press **[▶]**, and then the LED at thousands place will blink.

(3) press **[▲]** to select a number that you need from 0→1→...→9.

※ The operation steps for the hundreds place, tens place and ones place are the same with the above.

(4) press **[E]** to save the data.

(5) press **[M]** to leave r1HYS and then enter r1rno.

r1rno :

(1) press **[▶]** to check the setting values.

(2) press **[▶]**, and then the LED at thousands place will blink.

(3) press **[▲]** to select a number that you need from 0→1→...→9.

※ The operation steps for the hundreds place, tens place and ones place are the same with the above.

(4) press **[E]** to save the data.

(5) press **[M]** to leave r1rno and then enter r1dLY.

r1dLY :

(1) press **[▶]** to check the setting values.

(2) press **[▶]**, and then the LED at thousands place will blink.

(3) press **[▲]** to select a number that you need from 0→1→...→9.

※ The operation steps for the hundreds place, tens place and ones place are the same with the above.

(4) press **[E]** to save the data.

(5) press **[M]** to leave r1dLY and then enter r2tP.

r2tP : (1) press **[▶]** to check the setting values.

(2) press **[▲]** to change CO2, temperature and humidity.

(3) press **[E]** to save data.

(4) press **[M]** to leave r2tP and then enter r2ACt.

r2ACt : (1) press **[▶]** to check the setting values.

(2) press **[▲]** to setup the action Hi or Lo.

(3) press **[E]** to save data.

(4) press **[M]** to leave r2ACt and then enter r2SEt.

r2SEt :

- (1) press to check the setting values.
 - (2) press , and then the LED at thousands place will blink.
 - (3) press to select a number that you need from 0→1→...→9.
- ※The operation steps for the hundreds place, tens place and ones place are the same with the above.
- (4) press to save the data.
 - (5) press to leave r2SEt and then enter r2HYt.

r2HYt :

- (1) press to check the setting values.
 - (2) press , and then the LED at thousands place will blink.
 - (3) press to select a number that you need from 0→1→...→9.
- ※The operation steps for the hundreds place, tens place and ones place are the same with the above.
- (4) press to save the data.
 - (5) press to leave r2HYt and then enter r2no.

r2no :

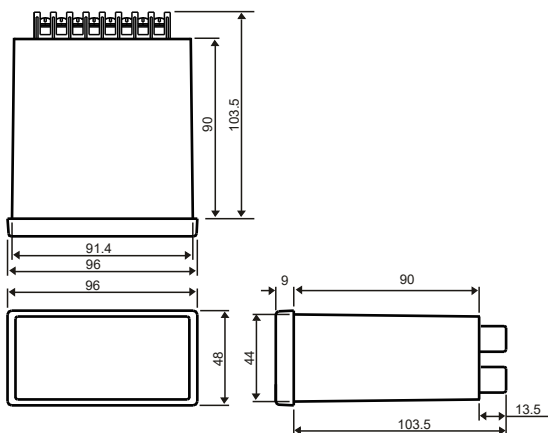
- (1) press to check the setting values.
 - (2) press , and then the LED at thousands place will blink.
 - (3) press to select a number that you need from 0→1→...→9.
- ※The operation steps for the hundreds place, tens place and ones place are the same with the above.
- (4) press to save the data.
 - (5) press to leave r2no and then enter r2dL.

r2dLY :

- (1) press to check the setting values.
 - (2) press , and then the LED at thousands place will blink.
 - (3) press to select a number that you need from 0→1→...→9.
- ※The operation steps for the hundreds place, tens place and ones place are the same with the above.
- (4) press to save the data.
 - (5) press to leave r2dLY and then enter measured value.

※ Relay 3, Relay 4 same steps as above. ※

■ Dimensions (mm)



PASS :

- (1) press to display PASS.
 - (2) press , and then the LED at thousands place will blink.
 - (3) press to select a number that you need from 0→1→...→9.
- ※The operation steps for the hundreds place, tens place and ones place are the same with the above.
- (4) press to save the data and enter PUSI.
- ※ The factory default is 3000

PUSI :

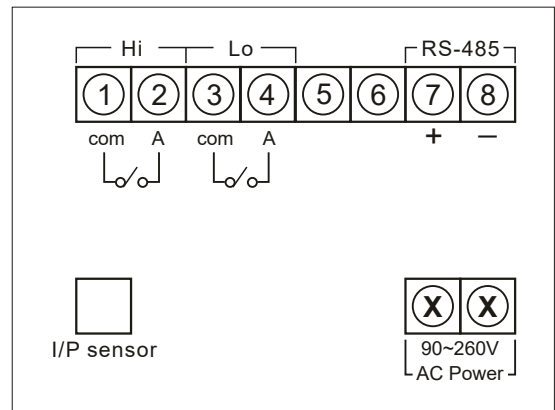
- (1) press to check setting values.
 - (2) press $10^3 \rightarrow 10^2 \rightarrow 10^1 \rightarrow 10^0$ → plus sign and minus sign LEDs will blink and cycle in a regular order.
 - (3) press to select a number that you need from 0→1→...→9.
- ※The operation steps for the hundreds place, tens place and ones place are the same with the above.
- (4) press to save data.
 - (5) press to leave PUSI and then enter PUS2

PUS2 :

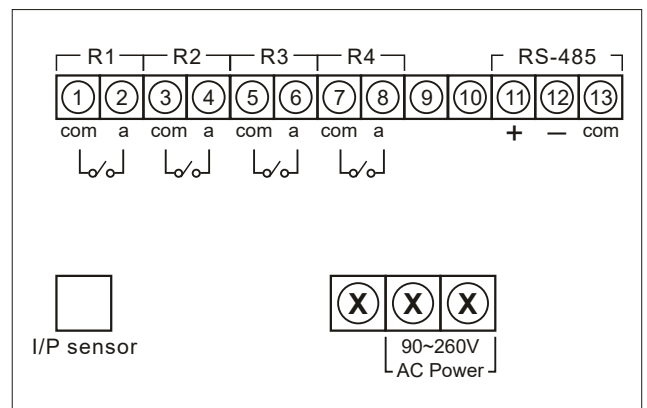
- (1) press to check setting values.
 - (2) press $10^3 \rightarrow 10^2 \rightarrow 10^1 \rightarrow 10^0$ → plus sign and minus sign LEDs will blink and cycle in a regular order.
 - (3) press to select a number that you need from 0→1→...→9.
- ※The operation steps for the hundreds place, tens place and ones place are the same with the above.
- (4) press to save data.
 - (5) press to leave PUS2 and then enter the measured value

■ Wiring diagram

Relay × 2



Relay × 4



Modbus Register Address (2 Relay)

Address	Word	Item (description)	Code	Unit	Sign	Range
0000	1	Temperature	03H	0.1℃	Sign	-300~1200
0001	1	Humidity	03H	0.1%RH	Unsign	0~1000
0002	1	Dew point	03H	----	Unsign	0~1000
0003	1	Relay status	03H	----	----	0~3 Bit0 : DO1 Bit1 : DO2
0004	1	Temp.compensation value	03/06H	0.1℃	Sign	0~±9999
0005	1	Humidity compensation value	03/06H	0.1%RH	Sign	0~±9999
0006	1	None	03H	----	----	0
0007	1	None	03H	----	----	0
0008	1	None	03H	----	----	0
0009	1	None	03H	----	----	0
0010	1	None	03H	----	----	0
0011	1	DO1 Relay type	03/06H	----	Unsign	0~1 0 : Temperature 1 : Humidity
0012	1	DO1 action system	03/06H	----	Unsign	0~1 0 : Hi 1 : Lo
0013	1	DO1 set value	03/06H	----	Unsign	0~99999
0014	1	DO1 HYS action interval value	03/06H	----	sign	0~±9999
0015	1	DO1 deadband	03/06H	----	Unsign	0~9999
0016	1	DO1 Delay time	03/06H	Second	Unsign	0~9999
0017	1	DO2 Relay type	03/06H	----	Unsign	0~1 0 : Temperature 1 : Humidity
0018	1	DO2 action system	03/06H	----	Unsign	0~1 0 : Hi 1 : Lo
0019	1	DO2 set value	03/06H	----	Unsign	0~99999
0020	1	DO2 HYS action interval value	03/06H	----	sign	0~±9999
0021	1	DO2 deadband	03/06H	----	Unsign	0~9999
0022	1	DO2 Delay time	03/06H	Second	Unsign	0~9999

Modbus Register Address (4 Relay)

Address	Word	Item (description)	Code	Unit	Sign	Range
0000	1	Temperature	03H	0.1℃	Sign	-300~1200
0001	1	Humidity	03H	0.1%RH	Unsign	0~1000
0002	1	Dew point	03H	----	Unsign	0~1000
0003	1	Relay status	03H	----	----	0~15 Bit0 : DO1 Bit1 : DO2 Bit2 : DO3 Bit3 : DO4
0004	1	Temperature 偏差値設定	03/06H	0.1℃	Sign	0~±9999
0005	1	Humidity 偏差値設定	03/06H	0.1%RH	Sign	0~±9999
0006	1	預留	03H	----	----	0
0007	1	預留	03H	----	----	0
0008	1	預留	03H	----	----	0
0009	1	預留	03H	----	----	0
0010	1	Sensor 狀態	03H	----	----	Bit0 : Temp.error Bit1 : Humidity error
0011	1	DO1 Relay type	03/06H	----	Unsign	0~1 0 : Temp. 1 : Humidity 2 : Dew point
0012	1	DO1 動作狀態	03/06H	----	Unsign	0~1 0 : Hi 1 : Lo
0013	1	DO1 設定値	03/06H	----	Unsign	0~99999
0014	1	DO1 HYS 遲滯値	03/06H	----	Sign	0~±9999
0015	1	DO1 不動作帶	03/06H	----	Unsign	0~9999
0016	1	DO1 Delay time	03/06H	Second	Unsign	0~9999
0017	1	DO2 Relay type	03/06H	----	Unsign	0~1 0 : Temp. 1 : Humidity 2 : Dew point
0018	1	DO2 動作狀態	03/06H	----	Unsign	0~1 0 : Hi 1 : Lo
0019	1	DO2 設定値	03/06H	----	Unsign	0~99999
0020	1	DO2 HYS 遲滯値	03/06H	----	Sign	0~±9999
0021	1	DO2 不動作帶	03/06H	----	Unsign	0~9999
0022	1	DO2 Delay time	03/06H	Second	Unsign	0~9999
0023	1	DO3 Relay type	03/06H	----	Unsign	0~1 0 : Temp. 1 : Humidity 2 : Dew point
0024	1	DO3 動作狀態	03/06H	----	Unsign	0~1 0 : Hi 1 : Lo
0025	1	DO3 設定値	03/06H	----	Unsign	0~99999
0026	1	DO3 HYS 遲滯値	03/06H	----	Sign	0~±9999
0027	1	DO3 不動作帶	03/06H	----	Unsign	0~9999
0028	1	DO3 Delay time	03/06H	Second	Unsign	0~9999
0029	1	DO4 Relay type	03/06H	----	Unsign	0~1 0 : Temp. 1 : Humidity 2 : Dew point
0030	1	DO4 動作狀態	03/06H	----	Unsign	0~1 0 : Hi 1 : Lo
0031	1	DO4 設定値	03/06H	----	Unsign	0~99999
0032	1	DO4 HYS 遲滯値	03/06H	----	Sign	0~±9999
0033	1	DO4 不動作帶	03/06H	----	Unsign	0~9999
0034	1	DO4 Delay time	03/06H	Second	Unsign	0~9999