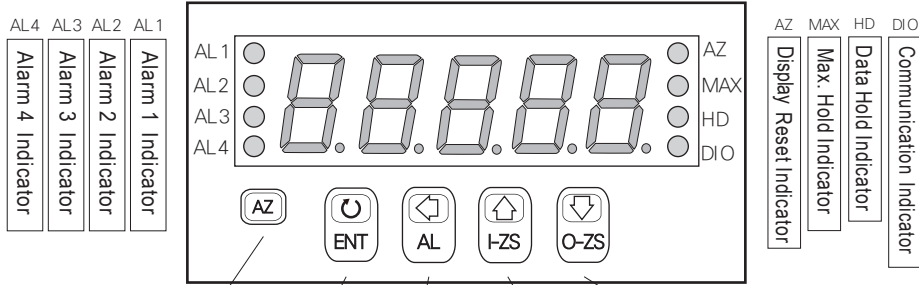


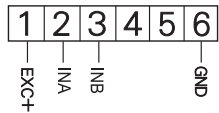
KEY FUNCTIONS



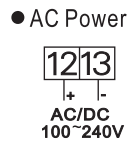
Function Key	Enter Key & Save Key	Shift Key & Alarm Setting Key	Up Key & Display Setting Key	Down Key & A/O Setting Key	
Measuring Status	Enable the setting function	Hold for 3 sec. enter to Alarm Setpoint Modification	Hold for 3 sec. enter to Display Group Setting	Hold for 3 sec. enter to A/O Group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

WIRING CONNECTION

Input Function



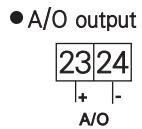
Power



DC Power



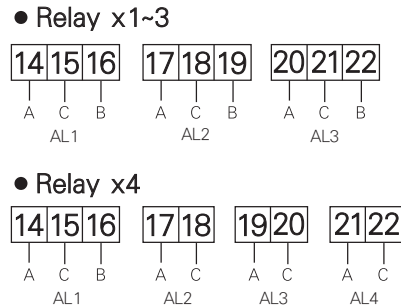
Output Function



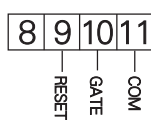
RS-485 output



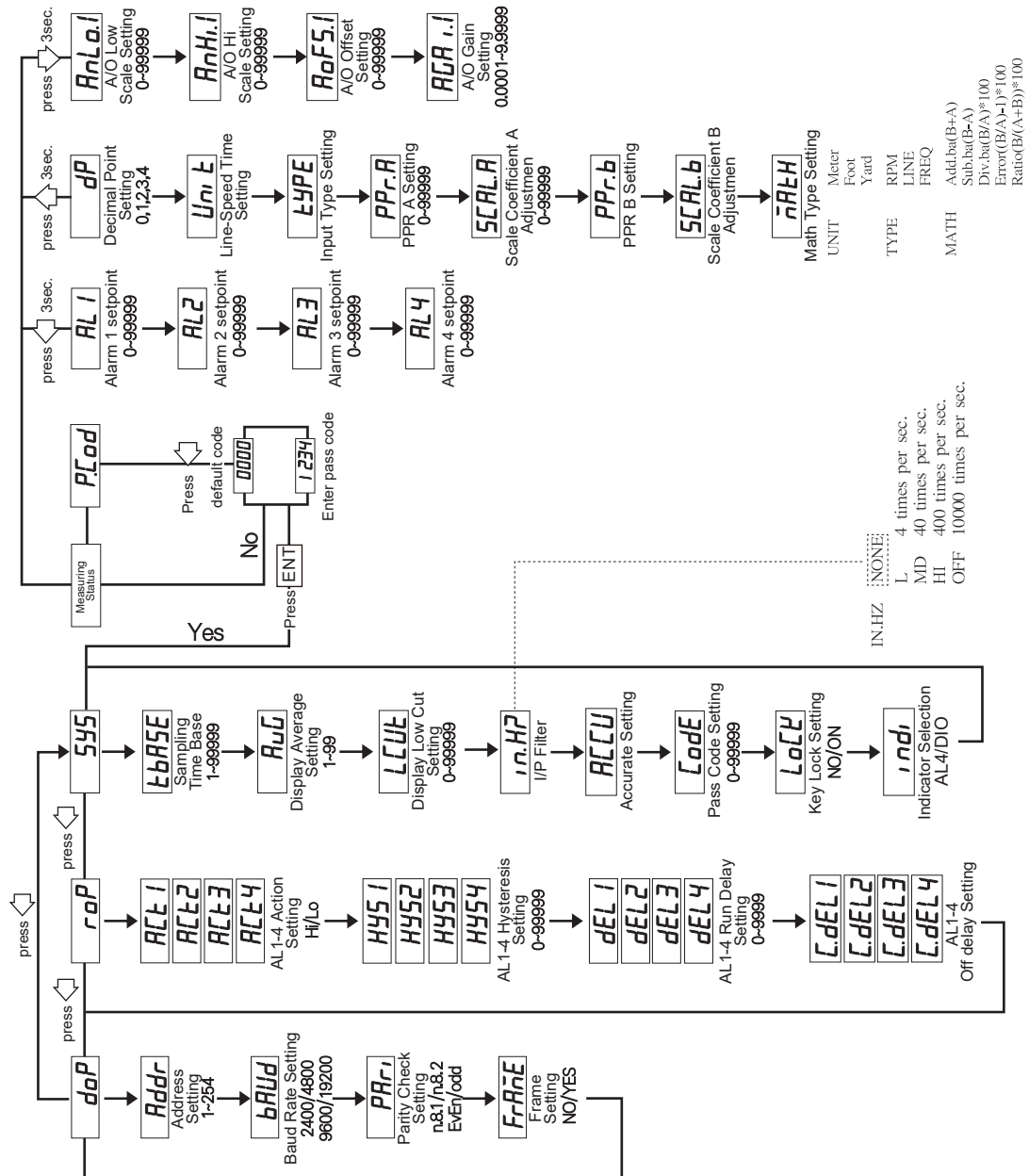
Relay Function



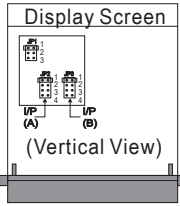
External Control Function



Programming Mode Operating Procedures



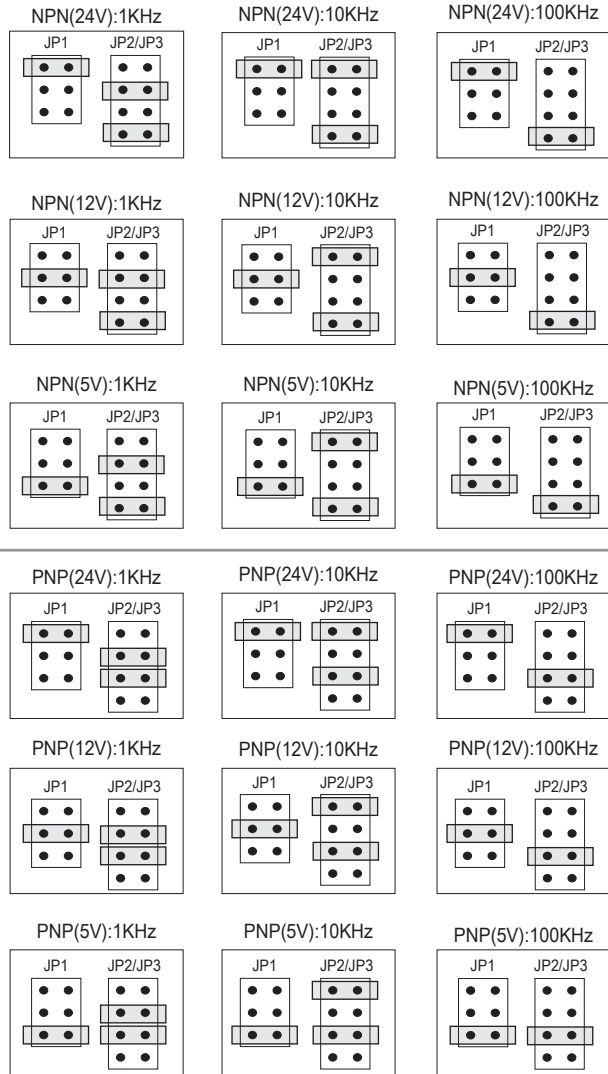
Input Signal Modification



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

JP1	JUMPER	DEFINITION
	1	Close: 24V
	2	Close: 12V
	3	Close: 5V

JP2/JP3	JUMPER	DEFINITION
	1	Close: 10KHz
	2	Open: 100KHz Close: 1KHz
	3	Open: NPN; Close: PNP
	4	Open: PNP; Close: NPN



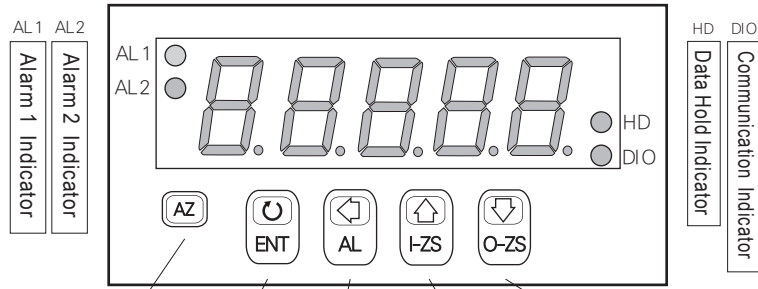
Modbus RTU Mode Protocol Address Table

Data: 16Bit / 32Bit, +/- is 8000~7FFF (-32768~32767), 80000000~7FFFFFFF(-2147483648~2147483647)				
Modbus	HEX	Name	Descriptions	Act
40001	0000	ID	Model number identification; MR5 is "01"	R
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) 0:19200, 1:9600, 2:4800, 3:2400	R/W
40006	0005	PARI	Parity setting; range: 0000~0003 (0~3), 0:N.8.2., 1:N.8.1., 2:EVEN, 3:ODD	R/W
40007	0006	AVG	Display average setting; range: 0001~0063 (1~99)	R/W
40008	0007	LCUT	Display low cut setting; range: 0000~0063 (0~99)	R/W
40009	0008	ADDR	Address setting; range: 0000~00FF (0~255)	R/W
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
40038	0025	PV	Range: FFFCF2C1~000F423F(-19999~99999)	R
40039	0026		Range: FFFCF2C1~000F423F(-19999~99999)	R
40045	002C	DISPLAY	Range: FFFFB1E1~0001869F(-19999~99999)	R
40046	002D		Range: FFFFB1E1~0001869F(-19999~99999)	R

ERROR CODE OF SELF-DIAGNOSIS

E-00 EEPROM reading / writing suffers the interference (about 1 million times).

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

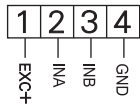
Parameter Page

Parameter Setting

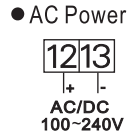
Enable the setting function	Enter to parameter groups	Hold for 3 sec. enter to Alarm Setpoint Modification	Hold for 3 sec. enter to Display Group Setting	Hold for 3 sec. enter to A/O Group Setting.	<p>In any status can back to measuring status</p>
	Save the value	Enter to parameter setting	Back to the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

WIRING CONNECTION

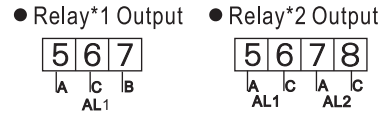
Input Function



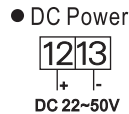
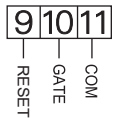
Power



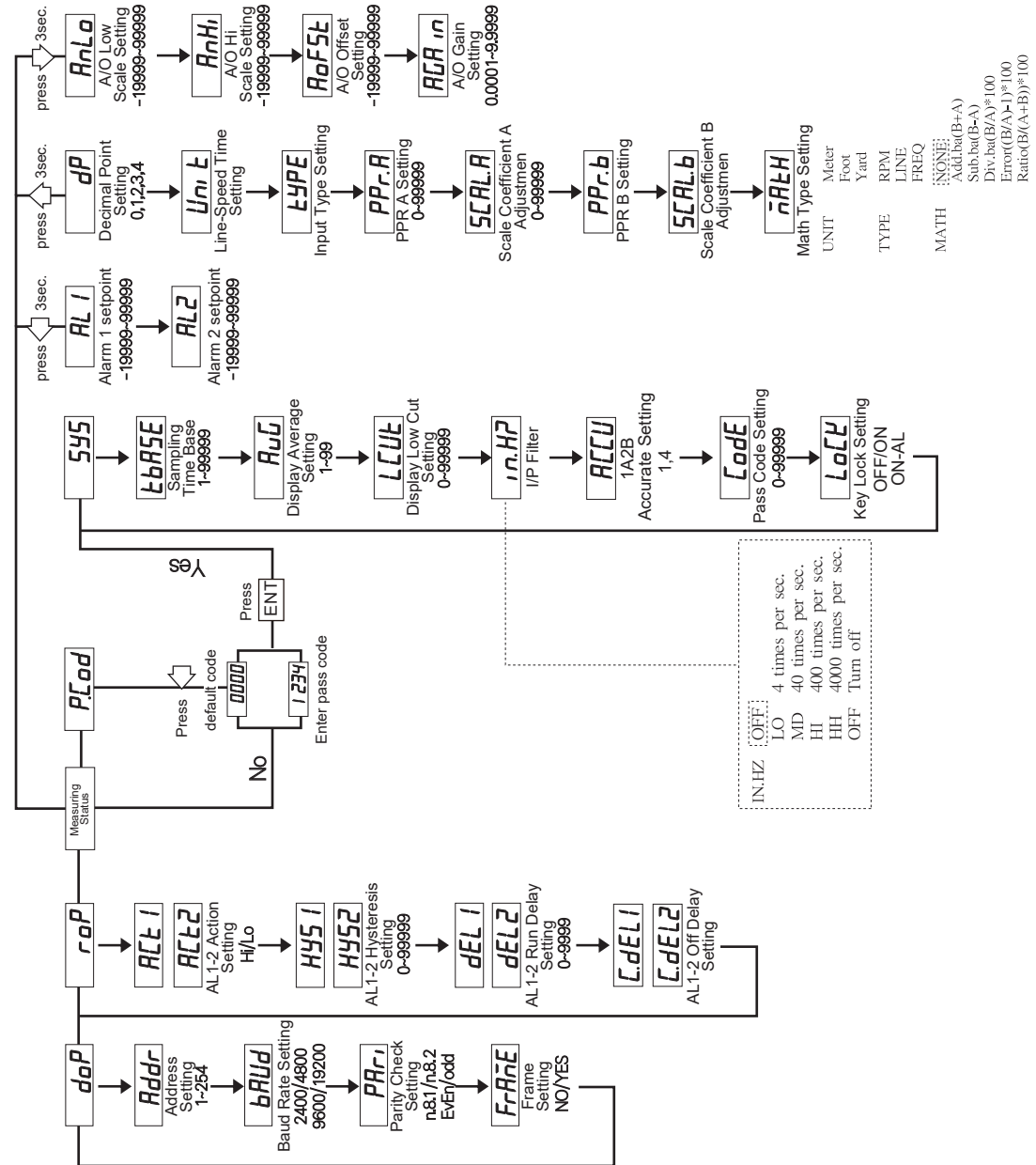
Output Function



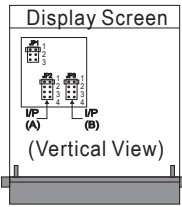
External Control Function



Programming Mode Operating Procedures



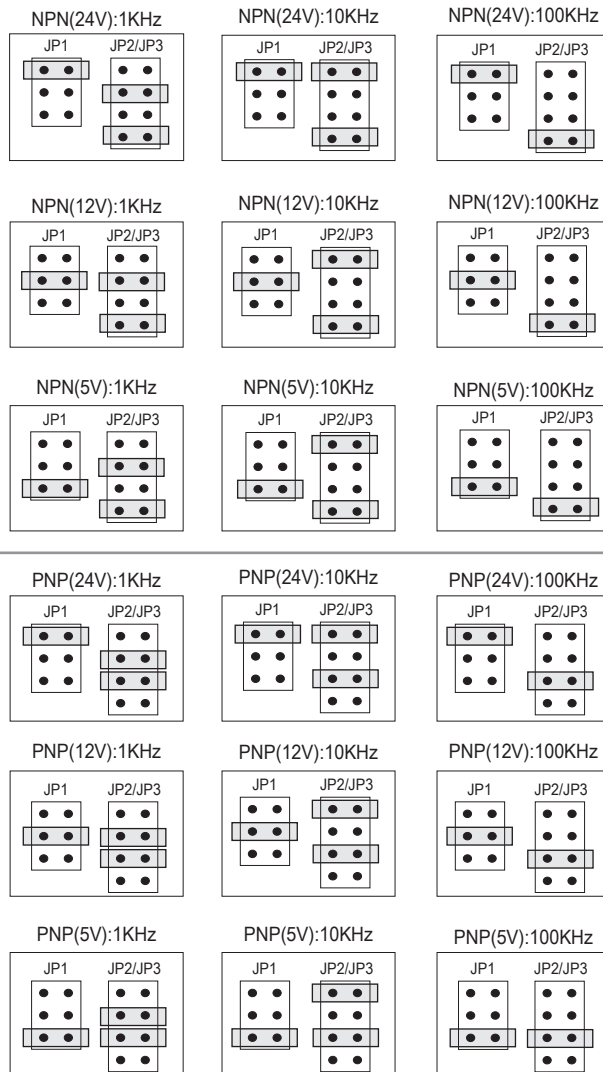
Input Signal Modification



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

JP1	JUMPER	DEFINITION
	1	Close: 24V
	2	Close: 12V
	3	Close: 5V

JP2/JP3	JUMPER	DEFINITION
	1	Open: 100KHz Close: 10KHz
	2	Close: 1KHz
	3	Open: NPN; Close: PNP
	4	Open: PNP; Close: NPN



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	ID	Model number identification; MR5 is "01"	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) 0:19200, 1:9600, 2:4800, 3:2400	R/W
40006	0005	PARI	Parity setting; range: 0000~0003 (0~3), 0:N.8.2., 1:N.8.1., 2:EVEN, 3:ODD	R/W
40007	0006	AVG	Display average setting; range: 0001~0063 (1~99)	R/W
40008	0007	LCUT	Display low cut setting; range: 0000~0063 (0~99)	R/W
40009	0008	ADDR	Address setting; range: 0000~00FF (0~255)	R/W
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
40038	0025	pV	Range: FFFCF2C1~000F423F (-19999~99999)	R
40039	0026		Range: FFFCF2C1~000F423F (-19999~99999)	R
40045	002C	DISPLAY	Range: FFFFB1E1~0001869F (-19999~99999)	R
40046	002D		Range: FFFFB1E1~0001869F (-19999~99999)	R

ERROR CODE OF SELF-DIAGNOSIS

- ioFL** Input signal is over 120% of input range.
- ioFL** 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).