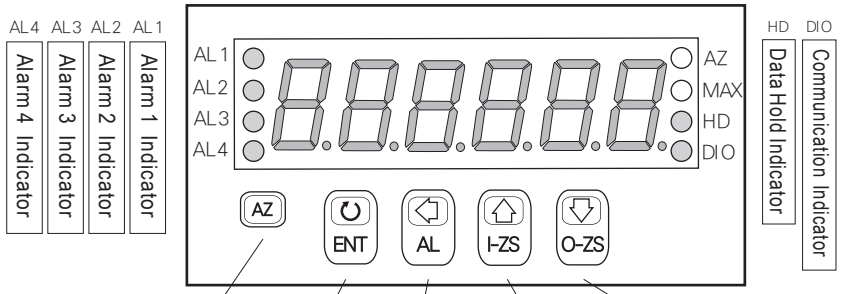
MA6H-C 6 DIGITS MICRO-PROCESS COUNTER MANUAL

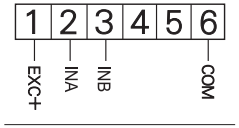
KEY FUNCTIONS



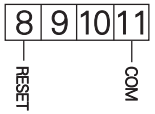
	Function Key	Enter Key & Save Key	Shift Key & Alarm Setting Key	Up Key & Display Setting Key	Down Key & A/O Setting Key	
Measuring Status	Enable the setting function	Enter to parameter groups	Hold for 3 sec. enter to Alarm Setpoint Modification	Hold for 3 sec. enter to Display Group Setting	Hold for 3 sec. enter to A/O Group Setting.	In any status can back to measuring status
Parameter Page			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



External Control Function



Power

- AC Power

AC/DC 100~240V

- DC Power

DC 22~50V

Output Function

- A/O output

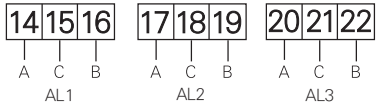
A/O

- RS-485 output

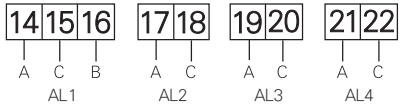
RS-485

Relay Function

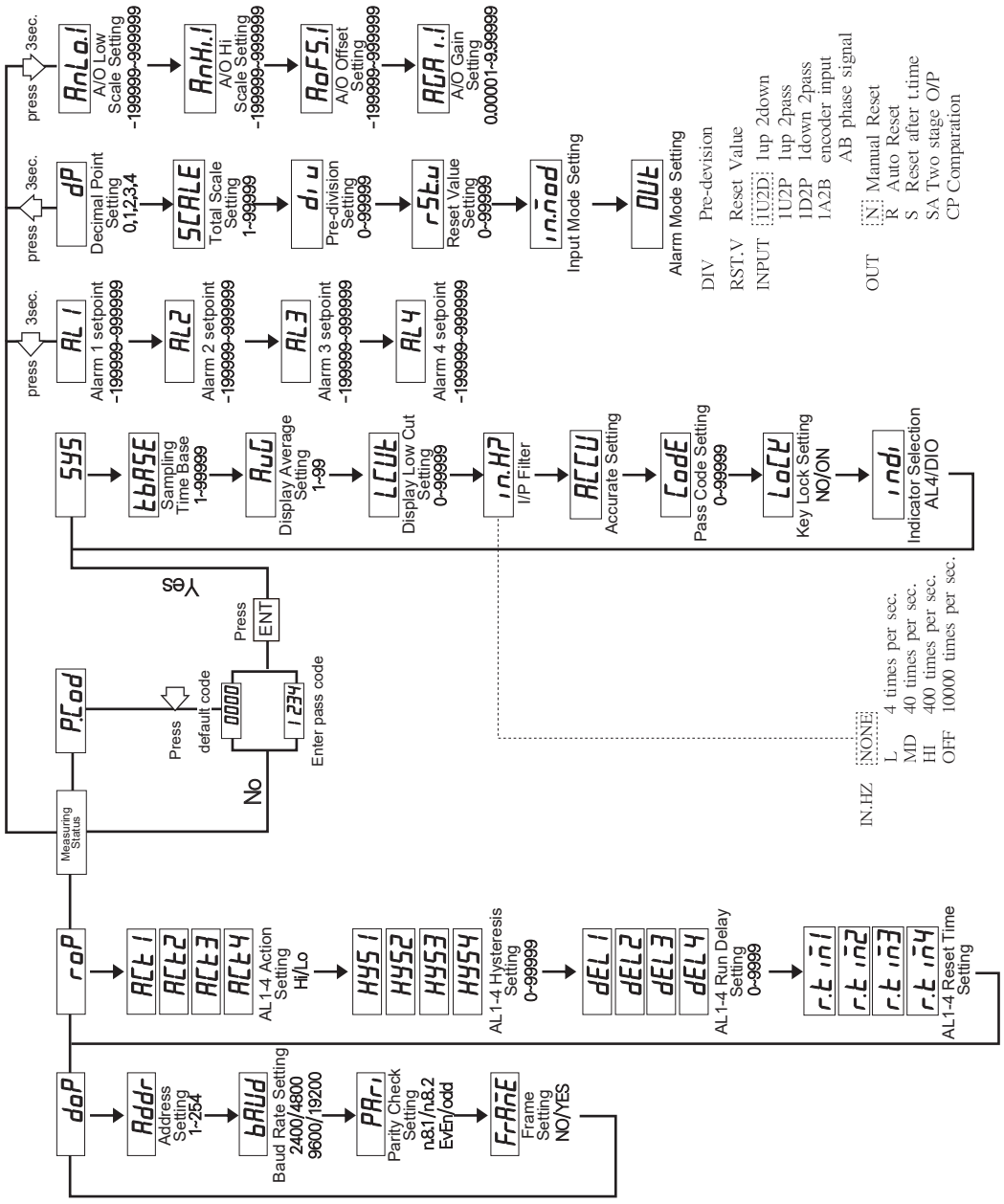
- Relay x1~3



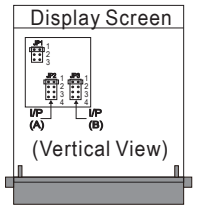
- Relay x4



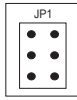
Programming Mode Operating Procedures



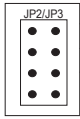
Input Signal Modification



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

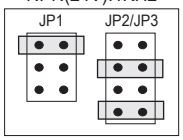


JUMPER	DEFINITION
1	Close: 24V
2	Close: 12V
3	Close: 5V

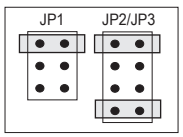


JUMPER	DEFINITION	
1	Open: 100KHz	Close:10KHz
2		Close:1KHz
3	Open: NPN; Close: PNP	
4	Open: PNP; Close: NPN	

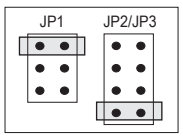
NPN(24V):1KHz



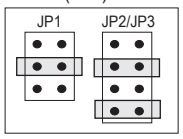
NPN(24V):10KHz



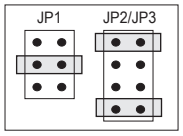
NPN(24V):100KHz



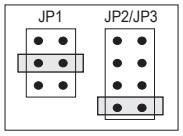
NPN(12V):1KHz



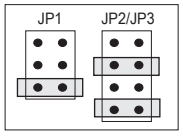
NPN(12V):10KHz



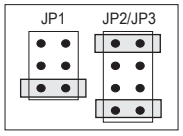
NPN(12V):100KHz



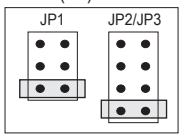
NPN(5V):1KHz



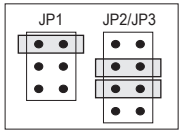
NPN(5V):10KHz



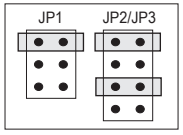
NPN(5V):100KHz



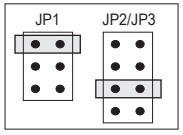
PNP(24V):1KHz



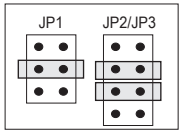
PNP(24V):10KHz



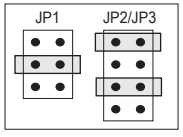
PNP(24V):100KHz



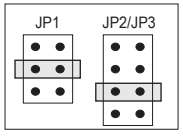
PNP(12V):1KHz



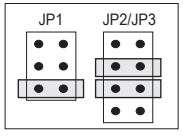
PNP(12V):10KHz



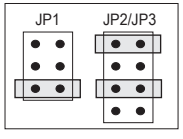
PNP(12V):100KHz



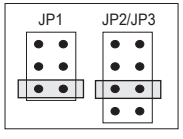
PNP(5V):1KHz



PNP(5V):10KHz



PNP(5V):100KHz



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; MA6H-C 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-oo **EEPROM reading / writing suffers the interference (about 1 million times).**