

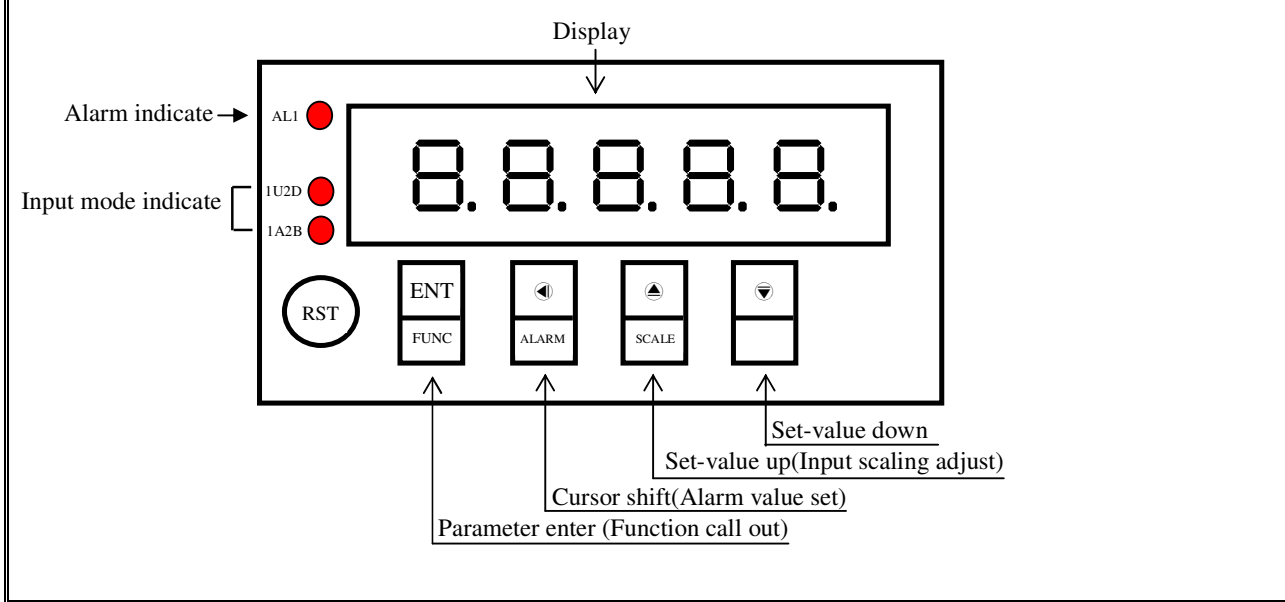
# AXE 5 DIGIT MICROPROCESS COUNTER

MODEL MMX-C

## ■ Features

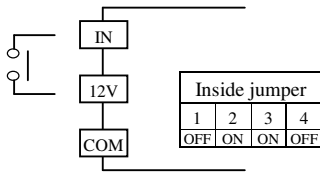
- ⊙ Accept more type sensors(switch, encoder, proximity switch ,...etc)finish length/flow control
- ⊙ Readout Range from -199999~999999
- ⊙ Four counting modes Up, Down, Up/Down, Quadrature
- ⊙ Power down saving
- ⊙ Decimal point can be modified
- ⊙ Input scaling multiplied 0.0001 to 9.9999 can be modified
- ⊙ Reset by panel or connect terminal
- ⊙ Quadrature sensing up to 4 times resolution
- ⊙ N,R,C alarm control mode
- ⊙ 0.8" Highlight display
- ⊙ EEPROM Saving, data safekeeping about 10 years
- ⊙ Modified inside parameter, must have pass code

## ■ Name Of Parts

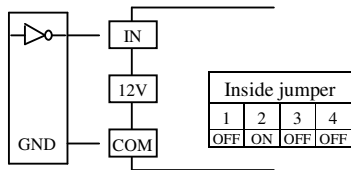


## ■ Connect diagram

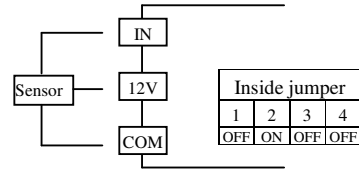
### ⊙ Contact input(PNP)



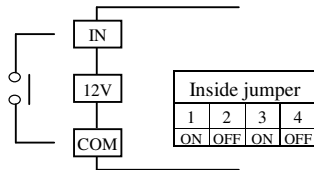
### ⊙ CMOS input (12V or 15V)



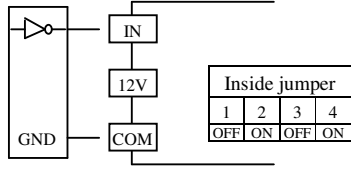
### ⊙ Sensor input(PNP 12V)



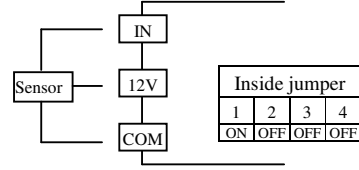
### ⊙ Contact input (NPN)



### ⊙ TTL input(5V)



### ⊙ Sensor input(NPN 12V)



## ■ Input function jumper table

<table border="1" style="display: inline-table; vertical-align: middle;"> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>									4 Position 4 ON: TTL      OFF:CMOS 3 Position 3 ON: 0~50Hz   OFF:0~10KHz 2 Position 2 ON: PNP 1 Position 1 ON: NPN

■ Alarm output control mode description

⊙N(MANUAL): When count value equal setting value the relay ON & continue count until reset by panel or connect terminal then relay OFF & count value return to RST setting value

⊙R: R(RETURN): When count value equal setting value the relay ON & continue count until relay action time out then relay OFF & count value return to RST setting value

⊙C(CONTINUE): When count value equal setting value the relay ON & count value return to RST setting value then continue count & relay action time out the relay OFF

Key introduce	Operation manual
⊕ Key function	1.In normal display, The key function is call out setting group 2.In parameter setting page, The key function is data Enter , and goto next page
◀ Key function	1.In normal display, the key function is call out AL setting page 2. Into parameter setting page, the parameter mark&data is alternate display, If need modify data can press shift key into setting procedure, The display is lock parameter data, this time must let off key about 0.2 sec, press again, the cursor(twinkle express)is cycle moving left. (Key Response about 0.2 sec)
▲ Key function	1.In normal display,the key function is call out SCALE setting page 2. Into parameter setting page, the parameter mark&data is alternate display, If need modify data can press up key into setting procedure, The display is lock parameter data, this time must let off key about 0.2 sec, press again, the parameter data will increment. (Key Response about 0.2 sec)
▼ Key function	Into parameter setting page, the parameter mark&data is alternate display, If need modify data can press down key into setting procedure, The display is lock parameter data, this time must let off key about 0.2 sec, press again the parameter data will decrement. (Key Response about 0.2 sec)
▲&▼ Key function	In setting group or setting page press ▲&▼ key return normal display, but if in setting page the modify data will be lost
NO key in anything	In setting group or setting page no key in anything about 2 minutes, return normal display, but if in Setting page the modify data will be lost

Step	Parameter Mark Description	Parameter Mark	Operation Manual
1	Normal display	1 2 3 4 5	Press ⊕/FUNC key into P.COD setting page
2	P.COD(Pass code input page) Default = 0	P.COD 0 0 0 0 0	1. Key in 5 digit pass code with ◀&▲&▼ key 2.Press ⊕ key into DP setting page
3-1	DP(Decimal Point setting page) Default = 0	DP 0	1. Decide decimal point position with ▲or▼ key (0 to 4) 2. Decide ⊕ key enter data and into TYPE setting page
3-2	TYPE(Input type setting page ) Default = 1U2D	TYPE 1 U 2 d	1. Decide TYPE with ▲&▼(1U2D/1P2D/1A2B) 2. Decide ⊕ key enter data and into RST setting page
3-3	RST(Reset Value setting page) Default = 0	RST 0 0 0 0 0	1. Decide RST with ◀&▲&▼ key(-19999~99999) 2. Press ⊕ key enter data and into MODE setting page
3-4	MODE(Output Mode setting ) Default = N	MODE N	1. Decide MODE with ▲&▼ key (N,R,C) 2. Press ⊕ key enter data and into ACT.T setting page
3-5	ACT.T(Active Time setting page ) Default = 0.1	ACT.T 0 0 0 0 . 1	1. Decide ACT.T with ◀&▲&▼ key (0.1~99.9) 2. Press ⊕ key enter data and into CODE setting page
3-6	CODE(Pass Code setting page) Default = 0	CODE 0 0 0 0 0	1. Decide CODE with ◀&▲&▼ key (0~99999) 2. Press ⊕ key enter data and into LOCK setting page
3-7	LOCK(Panel Lock setting page) Default = NO	LOCK NO	1. Decide LOCK with ▲&▼ key(NO or YES) 2. Press ⊕key enter data and return normal display

Step	Parameter Mark Description	Parameter Mark	Operation Manual
4	Normal display	12345	Press ◀/ALARM key about 3 second into AL setting page
4-1	AL (Alarm value) Default = 0	AL	1.Decide AL with ◀&▲&▼ key (-19999~99999) 2.Press Ⓜ key return normal display
		00000	
Step	Parameter Mark Description	Parameter Mark	Operation Manual
5	Normal display	12345	Press ▲/SCALE key about 3 second into SCALE setting page
5-1	SCALE (Display Scale setting page) Default = 1	SCALE	1.Decide SCALE with ◀&▲&▼ key (0.0001~9.9999) 2.Press Ⓜ key return normal display
		10000	
Appendix	Error Mark Description	Error Mark	Analyze & Description
1	EEPROM error detect	E - 00	1.EEPROM interference when EEPROM read/write 2.EEPROM write over 100 million times(guarantee 10 years) Please power reset, if still display E-00,doing following step: 1. E-00 & No alternate display for inquire reset EEPROM 2. Decide Yes with ▲or▼ key, press Ⓜkey return normal display 3. EEPROM was reset ,Please follow step 1~10 set again
		□ □	
		YES	