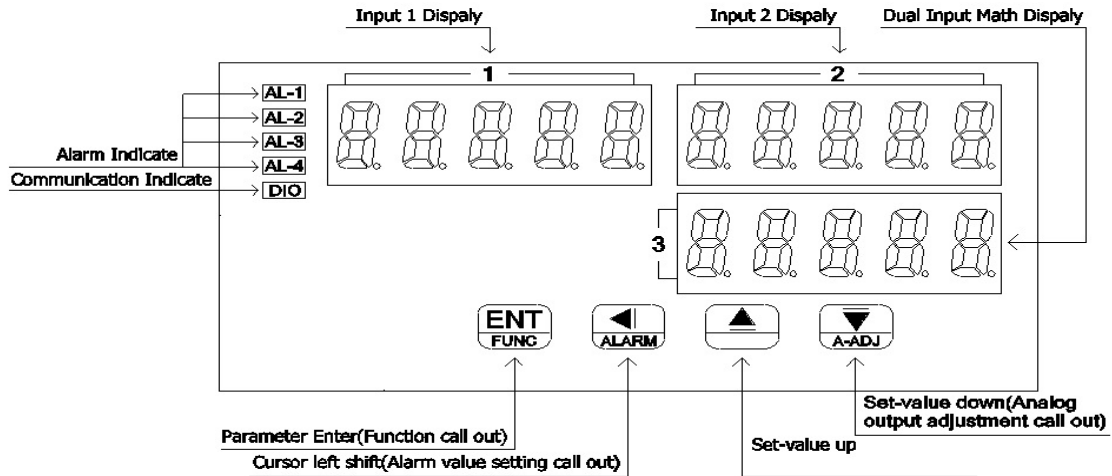


Features

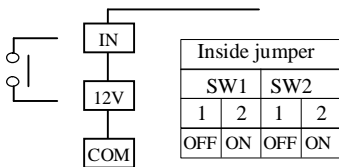
- ⊙ Dual input measure and display sensor pulse or AC signal
- ⊙ Accuracy 0.03% F.S.
- ⊙ Input range(0~25KHz)
- ⊙ Readout range D1/D2(0~99999),D3(-19999~99999)
- ⊙ RPM or LINE-SPEED can be modified
- ⊙ Dual input math function(B-A,(B+A)/2,B/A,(B/A)-1,1-(B/A),B/(A+B))
- ⊙ Input pulse per revolution can be modified(1~99999)
- ⊙ Diameter(LINE-SPEED)/Scale(RPM) can be modified(0.0001~9.9999)
- ⊙ Display average times can be modified(1~99)
- ⊙ 16BIT DAC analog output can be modified,
- ⊙ Four independent alarm with delay and hysteresis function
- ⊙ RS485 Communication interface, Protocol MODBUS RTU MODE
- ⊙ BAUD RATE:38400/19200/9600/4800/2400
- ⊙ 0.4" LED highlight display
- ⊙ Decimal point can be modified
- ⊙ Man-machine interface, easy to operate
- ⊙ EEPROM Saving, data safekeeping about 10 years
- ⊙ Modified inside parameter, must have pass code

Name of Parts

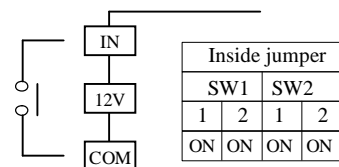


Connect Diagram

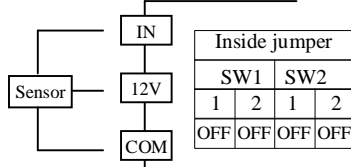
⊙ Contact input (PNP)



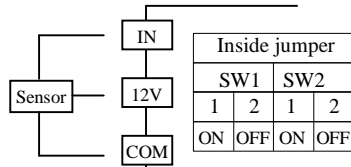
⊙ Contact input (NPN)



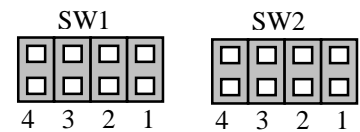
⊙ Sensor input (PNP 5V/12V)



⊙ Sensor input (NPN 5V/12V)



Input function jumper table



- ⊙ Position 1 ON:IN(A)/IN(B) -> (NPN)
- ⊙ Position 1 OFF:IN(A)/IN(B) -> (PNP)
- ⊙ Position 2 ON :IN(A)/IN(B) -> (0~50HZ)
- ⊙ Position 2 OFF:IN(A)/IN(B) -> (0~25KHZ)

Alarm Function description

- ⊙ When ACT=HI,DEL= 0 : Display value > Setting value(AL) + Hysteresis (HYS) → (Relay on)
Display value <= Setting value(AL) - Hysteresis (HYS) → (Relay off)
- ⊙ When ACT=LO,DEL= 0 : Display value >= Setting value(AL) + Hysteresis (HYS) → (Relay off)
Display value < Setting value(AL) - Hysteresis (HYS) → (Relay on)
- ⊙ When ACT=HI,DEL= 1 ~ 99 sec.: Display value > Setting value(AL) + Hysteresis (HYS) + Delay time(DEL) → (Relay on)
Display value <= Setting value(AL) - Hysteresis (HYS) → (Relay off)
- ⊙ When ACT=LO,DEL= 1 ~ 99 sec.: Display value >= Setting value(AL) + Hysteresis (HYS) → (Relay off)
Display value < Setting value(AL) - Hysteresis (HYS) + Delay time(DEL) → (Relay on)
- ⊙ When ACT=HI,DEL= -1 ~ -99 sec.: Display value > Setting value(AL) + Hysteresis (HYS) → (Relay one shoot(DEL) and then off)
Display value <= Setting value(AL) - Hysteresis (HYS) → (Relay restore normal after the procedure)
- ⊙ When ACT=LO,DEL= -1 ~ -99 sec.: Display value >= Setting value(AL) + Hysteresis (HYS) → (Relay restore normal after the procedure)
Display value < Setting value(AL) - Hysteresis (HYS) → (Relay one shoot(DEL) and then 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 alarm value setting page 2.Into parameter setting page,the parameter mark&data is alternate display,If need modify data can press ⏪ 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.Into parameter setting page,the parameter mark&data is alternate display,If need modify data can press ▲ 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	1.In normal display,The key function is call out adjustment analog output AZERO&ASPAN page 2.Into parameter setting page,the parameter mark&data is alternate display,If need modify data can press ▼ 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	1.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	1.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.CODE setting page
2	P.CODE(Pass code input page)	P.C O D E	1.Key in 5 digit pass code with ◀ or ▲ or ▼ key 2.Press ⏏ key,the pass code is right into setting group , otherwise return normal display
		0 0 0 0 0	
3	SYS(System setting group)	S Y S	1.Select setting group with ◀ key 2.Press ⏏ key into setting page of selection setting group
	ROP(Alarm setting group)	r o P	
	DOP(Communication setting group)	d o P	
	AOP(Analog output setting group)	A o P	
4	SYS(System setting group)	S Y S	Press◀key decide SYS setting group , press⏏key into DP1 setting page
4-1	DP1(Decimal Point IN-1) Default = 0	d P 1	1.Decide decimal point IN-1 position with ▲ or ▼ key (0 to 4) 2. Press ⏏ key enter data and into DP2 setting page
		0.	
4-2	DP2(Decimal Point IN-2) Default = 0	d P 2	3.Decide decimal point IN-2 position with ▲ or ▼ key (0 to 4) 4. Press ⏏ key enter data and into TYPE setting page
		0.	
4-3	TYPE(Type) Default = RPM	t Y P E	1.Decide Type with ▲ or ▼ key(RPM/LINE) 2.Press ⏏ key enter data and into PPR-A setting page
		r P M	
4-4	PPR-A(Pulse Per Revolution of input A) Default = 1	P P r - A	1.Decide pulse per revolution of input A with ◀&▲&▼ key(1~99999) 2.Press ⏏ key enter data and into PPR-B setting page
		0 0 0 0 1	
4-5	PPR-B(Pulse Per Revolution of input B) Default = 1	P P r - b	1.Decide pulse per revolution of input B with ◀&▲&▼ key(1~99999) 2.Press ⏏ key enter data and into MATH setting page
		0 0 0 0 1	
4-6	MATH(Math function of Display 3) Default = B-A	M A T H	1.Decide Math function of Display 3 with ▲or▼key B-A [Display value of (B-A)] (B+A)/2 [Display value of (B+A)/2] (B/A)x100 [Display value of (B/A)*100] (B/A-1)x100 [Display value of (B/A-1)*100] (B/(A+B))x100 [Display value of (B/(A+B))*100] (1-B/A)x100 [Display value of (1-B/A)*100] 2.Press⏏key enter data and into DP3 setting page
		b - A	
4-7	DP3(Decimal Point 3) Default = 0	d P 3	5.Decide decimal point 3 position with ▲ or ▼ key (0 to 4) 6. Press ⏏ key enter data and into SCL-A setting page
		0.	
4-8	SCL-A (Scale-A) Default = 1.0000	S C L - A	1.Decide Scale-A with ◀ or ▲ or ▼ key (0.0001~9.9999) 2.Press⏏key enter data and into SCL-B setting page Note:RPM(Scale = 0.0001~9.9999) Line-Speed(rotation diameter = 0.0001~9.9999M)
		1.0000	
4-9	SCL-B (Scale-B) Default = 1.0000	S C L - b	1.Decide Scale-B with ◀ or ▲ or ▼ key (0.0001~9.9999) 2.Press⏏key enter data and into TBASE setting page Note:RPM(Scale = 0.0001~9.9999) Line-Speed(rotation diameter = 0.0001~9.9999M)
		1.0000	
4-10	TBASE (Sampling Time Base) Default = 0.1	t B A S E	1.Decide sampling time base with ◀&▲&▼ key(0.1~99.9sec) 2.Press ⏏ key enter data and into AVG setting page
		0 0 0 0 . 1	

4-11	AVG (Display Average times) Default = 5	AVG	1.Decide display average times with ◀&▶&▼ key(1~99) 2.Press Ⓜ key enter data and into CODE setting page
		00005	
4-12	CODE(Pass Code) Default = 0	CODE	1.Decide pass code with ◀&▶&▼ key(0~99999) 2.Press Ⓜ key enter data and into LOCK setting page
		00000	
4-13	LOCK(Panel Lock) Default = NO	LOCK	1.Decide panel lock with ▶&▼ key(NO or YES) 2.Press Ⓜ key enter data and return SYS setting group
		no	
5	ROP(Alarm output setting group)	ROP	Press ◀ key decide ROP setting group,press Ⓜ key into AL1-S setting page
5-1	AL1-S(Alarm 1 Select) Default = DISP1	AL1-S	1.Decide Alarm 1 Select with ▶ or ▼ key(DISP1,DISP2,DISP3) 2.Press Ⓜ key enter data and into ACT1 setting page
		DISP1	
5-2	ACT1(Alarm Active 1) Default = HI	ACT1	1.Decide Alarm Active 1 with ▶ or ▼ key(HI or LO) 2.Press Ⓜ key enter data and into HYS1 setting page
		HI	
5-3	HYS1(Alarm Hysteresis 1) Default = 0	HYS1	1.Decide Alarm Hysteresis 1 with ◀ or ▶ or ▼ key(0~999) 2.Press Ⓜ key enter data and into DEL1 setting page
		00000	
5-4	DEL1(Alarm Delay 1) Default = 0	DEL1	1.Decide Alarm Delay 1 with ◀ or ▶ or ▼ key(-99~99 sec) 2.Press Ⓜ key enter data and into AL2-S setting page Note: -1 ~ -99 sec = Alarm active time, 1 ~ 99 sec = Alarm delay time
		00000	
5-5	AL2-S(Alarm 2 Select) Default = DISP2	AL2-S	1.Decide Alarm 2 Select with ▶ or ▼ key(DISP1,DISP2,DISP3) 2.Press Ⓜ key enter data and into ACT2 setting page
		DISP2	
5-6	ACT2(Alarm Active 2) Default = HI	ACT2	1.Decide Alarm Active 2 with ▶ or ▼ key(HI or LO) 2.Press Ⓜ key enter data and into HYS2 setting page
		HI	
5-7	HYS2(Alarm Hysteresis 2) Default = 0	HYS2	1.Decide Alarm Hysteresis 2 with ◀ or ▶ or ▼ key(0~999) 2.Press Ⓜ key enter data and into DEL2 setting page
		00000	
5-8	DEL2(Alarm Delay 2) Default = 0	DEL2	1.Decide Alarm Delay 2 with ◀ or ▶ or ▼ key(-99~99 sec) 2.Press Ⓜ key enter data and into AL3-S setting page Note: -1 ~ -99 sec = Alarm active time, 1 ~ 99 sec = Alarm delay time
		00000	
5-9	AL3-S(Alarm 3 Select) Default = DISP3	AL3-S	1.Decide Alarm 3 Select with ▶ or ▼ key(DISP1,DISP2,DISP3) 2.Press Ⓜ key enter data and into ACT3 setting page
		DISP3	
5-10	ACT3(Alarm Active 3) Default = HI	ACT3	1.Decide Alarm Active 3 with ▶ or ▼ key(HI or LO) 2.Press Ⓜ key enter data and into HYS3 setting page
		HI	
5-11	HYS3(Alarm Hysteresis 3) Default = 0	HYS3	1.Decide Alarm Hysteresis 3 with ◀ or ▶ or ▼ key(0~999) 2.Press Ⓜ key enter data and into DEL3 setting page
		00000	
5-12	DEL3(Alarm Delay 3) Default = 0	DEL3	1.Decide Alarm Delay 3 with ◀ or ▶ or ▼ key(-99~99 sec) 2.Press Ⓜ key enter data and into AL4-S setting page Note: -1 ~ -99 sec = Alarm active time, 1 ~ 99 sec = Alarm delay time
		00000	
5-13	AL4-S(Alarm 4 Select) Default = DISP1	AL4-S	1.Decide Alarm 4 Select with ▶ or ▼ key(DISP1,DISP2,DISP3) 2.Press Ⓜ key enter data and into ACT4 setting page
		DISP1	
5-14	ACT4(Alarm Active 4) Default = HI	ACT4	1.Decide Alarm Active 4 with ▶ or ▼ key(HI or LO) 2.Press Ⓜ key enter data and into HYS4 setting page
		HI	
5-15	HYS4(Alarm Hysteresis 4) Default = 0	HYS4	1.Decide Alarm Hysteresis 4 with ◀ or ▶ or ▼ key(0~999) 2.Press Ⓜ key enter data and into DEL4 setting page
		00000	
5-16	DEL4(Alarm Delay 4) Default = 0	DEL4	1.Decide Alarm Delay 4 with ◀ or ▶ or ▼ key(-99~99 sec) 2.Press Ⓜ key enter data and return ROP setting group Note: -1 ~ -99 sec = Alarm active time, 1 ~ 99 sec = Alarm delay time
		00000	

6	DOP(Communication setting group)	d o P	press ◀ key decide DOP setting group,press Ⓜ key into ADDR setting page
6-1	ADDR(Communication Address setting page) Default = 0	A d d r	1.Decide address with ◀ or ▲ or ▼ key(0~255) 2.Press Ⓜ key enter data and into BAUD setting page
		0 0 0 0	
6-2	BAUD(Communication Baud Rate setting page) Default = 19200	b A U d	1.Decide baud rate with ▲ or ▼ key(38400,19200,9600,4800,2400) 2.Press Ⓜ key enter data and into PARI setting page
		1 9 2 0 0	
6-3	PARI(Communication Parity Check setting page) Default = n82	P A R I	1.Decide parity check with ▲ or ▼ key(n82,n81,even,odd) 2.Press Ⓜ key enter data and return DOP setting group
		n . 8 . 2	
7	AOP(Analog output setting group)	A o P	Press ◀ key decide AOP setting group , press Ⓜ key into AO.SEL setting page
7-1	AO.SEL(Analog Output Select) Default = DISP3	A o . S E L	1.Decide Analog Output Select with ▲ or ▼ key(DISP1,DISP2,DISP3) 2.Press Ⓜ key enter data and into ANLO setting page
		d . S P 3	
7-2	ANLO(A/O Zero According to Display setting page) Default = 0	A n L o	1.Decide A/O Zero According to Display with ◀ or ▲ or ▼ key (-19999~99999) 2.Press Ⓜ key enter data and into ANHI setting page
		0 0 0 0	
7-3	ANHI(A/ O Span According to Display setting page) Default = 10000	A n H I	1.Decide A/ O Span According to Display with ◀ or ▲ or ▼ key (-19999~99999) 2.Press Ⓜ key enter data and return AOP setting group
		1 0 0 0 0	

Step	Parameter mark description	Parameter mark	Operation manual
8	Normal display	1 2 3 4 5	Press ◀/ALARM key about 3 sec,into AL1 setting page
8-1	AL1 (Alarm 1) Default = 0	A L 1	1.Decide Alarm 1 with ◀ or ▲ or ▼ key(-19999~99999) 2.Press Ⓜ key enter data and into AL2 setting page
		0 0 0 0	
8-2	AL2 (Alarm 2) Default = 0	A L 2	1.Decide Alarm 2 with ◀ or ▲ or ▼ key(-19999~99999) 2.Press Ⓜ key enter data and into AL3 setting page
		0 0 0 0	
8-3	AL3(Alarm 3) Default = 0	A L 3	1.Decide Alarm 3 with ◀ or ▲ or ▼ key(-19999~99999) 2.Press Ⓜ key enter data and into AL4 setting page
		0 0 0 0	
8-4	AL4(Alarm 4) Default = 0	A L 4	1.Decide Alarm 4 with ◀ or ▲ or ▼ key(-19999~99999) 2.Press Ⓜ key enter data and return normal display
		0 0 0 0	

Step	Parameter mark description	Parameter mark	Operation manual
9	Normal display	1 2 3 4 5	Press ▼/A-ADJkey about 3 sec,into AZERO adjustment page
9-1	AZERO(Analog Output Zero Adjustment page) Default = 0	A Z E R O	1.Adjustment analog output zero with ◀ or ▲ or ▼ key(±6000) 2.Press Ⓜ key enter data and into ASPAN adjustment page
		0 0 0 0	
9-2	ASPAN(Analog Output Span Adjustment page) Default = 0	A S P A N	1.Adjustment analog output span with ◀ or ▲ or ▼ key(±6000) 2.Press Ⓜ key enter data and return normal display
		0 0 0 0	

Appendix	Error Mark description	Error Mark	Analyze & Description
1	Input over range error detect	o F L	Input signal over the maximum input range (0~25KHz)
2	Display over range error detect	d o F L	Input signal over the maximum display range (99999)
3	Display under range error detect	- d o F L	Input signal under the minimum display range (-19999)
4	EEPROM error detect	E - 0 0	1.External interference when EEPROM read/write 2.EEPROM write over 1 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 1~9 set again
		n o	
		Y E S	

MMRD-M Modbus RTU Mode Protocol Address Map

Data format 16Bit/32Bit, sign bit 8000~7FFF(-32768~32767), 80000000~7FFFFFFF(-2147483648~2147483647)

Address	Name	Description	Accept
0000	DP1	IN-1 Decimal Point, Input Range 0000~0004(0~4)(0:10 ⁰ ,1:10 ⁻¹ ,2:10 ⁻² ,3:10 ⁻³ ,4:10 ⁻⁴)	R/W
0001	DP2	IN-2 Decimal Point, Input Range 0000~0004(0~4)(0:10 ⁰ ,1:10 ⁻¹ ,2:10 ⁻² ,3:10 ⁻³ ,4:10 ⁻⁴)	R/W
0002	DP3	Display 3 Decimal Point, Input Range 0000~0004(0~4)(0:10 ⁰ ,1:10 ⁻¹ ,2:10 ⁻² ,3:10 ⁻³ ,4:10 ⁻⁴)	R/W
0003	TYPE	Input Type, Input Range 0000~0001(0~1)(0:RPM,1:LINE)	R/W
0004	LOCK	Panel Lock, Input Range 0000~0001(0~1)(0:NO,1:YES)	R/W
0005	MATH	Math function of Display 3, Input Range 0000~0005(0~5)(0:B-A,1:(B+A)/2,2:(B/A)x100,3:(B/A-1)x100,4:(B/(A+B))x100,5:(1-B/A)x100)	R/W
0006	AL1-S	Alarm 1 Select, Input Range 0000~0002(0~2)(0:DISP1,1:DISP2,2:DISP3)	R/W
0007	AL2-S	Alarm 2 Select, Input Range 0000~0002(0~2)(0:DISP1,1:DISP2,2:DISP3)	R/W
0008	AL3-S	Alarm 3 Select, Input Range 0000~0002(0~2)(0:DISP1,1:DISP2,2:DISP3)	R/W
0009	AL4-S	Alarm 4 Select, Input Range 0000~0002(0~2)(0:DISP1,1:DISP2,2:DISP3)	R/W
000A	ACT1	Alarm Active 1, Input Range 0000~0001(0~1)(0:HI,1:LO)	R/W
000B	ACT2	Alarm Active 2, Input Range 0000~0001(0~1)(0:HI,1:LO)	R/W
000C	ACT3	Alarm Active 3, Input Range 0000~0001(0~1)(0:HI,1:LO)	R/W
000D	ACT4	Alarm Active 4, Input Range 0000~0001(0~1)(0:HI,1:LO)	R/W
000E	HYS1	Alarm Hysteresis 1, Input Range 0000~03E7(0~999)	R/W
000F	HYS2	Alarm Hysteresis 2, Input Range 0000~03E7(0~999)	R/W
0010	HYS3	Alarm Hysteresis 3, Input Range 0000~03E7(0~999)	R/W
0011	HYS4	Alarm Hysteresis 4, Input Range 0000~03E7(0~999)	R/W
0012	DEL1	Alarm Delay 1, Input Range FF9D~0063(-99~99)	R/W
0013	DEL2	Alarm Delay 2, Input Range FF9D~0063(-99~99)	R/W
0014	DEL3	Alarm Delay 3, Input Range FF9D~0063(-99~99)	R/W
0015	DEL4	Alarm Delay 4, Input Range FF9D~0063(-99~99)	R/W
0016	ADDR	Communication Address, Input Range 0000~00FF(0~255)	R/W
0017	BAUD	Communication Baud Rate, Input Range 0000~0004(0~4)(0:38400,1:19200,2:9600,3:4800,4:2400)	R/W
0018	PARI	Communication Parity Check, Input Range 0000~0003(0~3)(0:N82,1:N81,2:EVEN,3:ODD)	R/W
0019	AO.SEL	Analog Output Select, Input Range 0000~0002(0~2)(0:DISP1,1:DISP2,2:DISP3)	R/W
001A	TBASE	Sampling Time Base, Input Range 0001~03E7(1~999)	R/W
001B	AVG	Display Average times, Input Range 0001~0063(1~99)	R/W
001C	A_ZERO	Analog Output Zero Adjust, Input Range E890~1770(-6000~6000)	R/W
001D	A_SPAN	Analog Output Span Adjust, Input Range E890~1770(-6000~6000)	R/W
001E	CODE	Pass Code, Input Range 00000000~0001869F(0~99999)high word	R/W
001F		Pass Code, Input Range 00000000~0001869F(0~99999)low word	R/W
0020	SCL-A	Scale-A, Input Range 00000001~0001869F(1~99999)high word	R/W
0021		Scale-A, Input Range 00000001~0001869F(1~99999)low word	R/W
0022	SCL-B	Scale-B, Input Range 00000001~0001869F(1~99999)high word	R/W
0023		Scale-B, Input Range 00000001~0001869F(1~99999)low word	R/W
0024	PPR-A	Pulse Per Revolution of input A, Input Range 00000001~0001869F(1~99999) high word	R/W
0025		Pulse Per Revolution of input A, Input Range 00000001~0001869F(1~99999) low word	R/W
0026	PPR-B	Pulse Per Revolution of input B, Input Range 00000001~0001869F(1~99999) high word	R/W
0027		Pulse Per Revolution of input B, Input Range 00000001~0001869F(1~99999) low word	R/W
0028	AL1	Alarm value 1, Input Range FFFFB1E1~0001869F(-19999~99999)high word	R/W
0029		Alarm value 1, Input Range FFFFB1E1~0001869F(-19999~99999)low word	R/W
002A	AL2	Alarm value 2, Input Range FFFFB1E1~0001869F(-19999~99999)high word	R/W
002B		Alarm value 2, Input Range FFFFB1E1~0001869F(-19999~99999)low word	R/W
002C	AL3	Alarm value 3, Input Range FFFFB1E1~0001869F(-19999~99999)high word	R/W
002D		Alarm value 3, Input Range FFFFB1E1~0001869F(-19999~99999)low word	R/W
002E	AL4	Alarm value 4, Input Range FFFFB1E1~0001869F(-19999~99999)high word	R/W
002F		Alarm value 4, Input Range FFFFB1E1~0001869F(-19999~99999)low word	R/W
0030	ANLO	Analog Output Zero According to Display, Input Range FFFFB1E1~0001869F(-19999~99999)high word	R/W
0031		Analog Output Zero According to Display, Input Range FFFFB1E1~0001869F(-19999~99999)low word	R/W
0032	ANHI	Analog Output Span According to Display, Input Range FFFFB1E1~0001869F(-19999~99999)high word	R/W
0033		Analog Output Span According to Display, Input Range FFFFB1E1~0001869F(-19999~99999)low word	R/W
0034	DISP1	IN1 Display Value, Display Range 00000000~0001869F(0~99999)high word	R
0035		IN1 Display Value, Display Range 00000000~0001869F(0~99999)low word	R
0036	DISP2	IN2 Display Value, Display Range 00000000~0001869F(0~99999)high word	R
0037		IN2 Display Value, Display Range 00000000~0001869F(0~99999)low word	R
0038	DISP3	Math Display 3, Display Range FFFFB1E1~0001869F(-19999~99999)high word	R
0039		Math Display 3, Display Range FFFFB1E1~0001869F(-19999~99999)low word	R
003A	STATUS	Display & Alarm Status, Range 0000~03FF(0~1023)Bit0:AL1, Bit1:AL2, Bit2:AL3, Bit3:AL4, Bit4:DISP1 DOFL, Bit5:DISP1 IOFL, Bit6:DISP2 DOFL, Bit7:DISP2 IOFL, Bit8:DISP3 DOFL, Bit9:DISP3 -DOFL	R