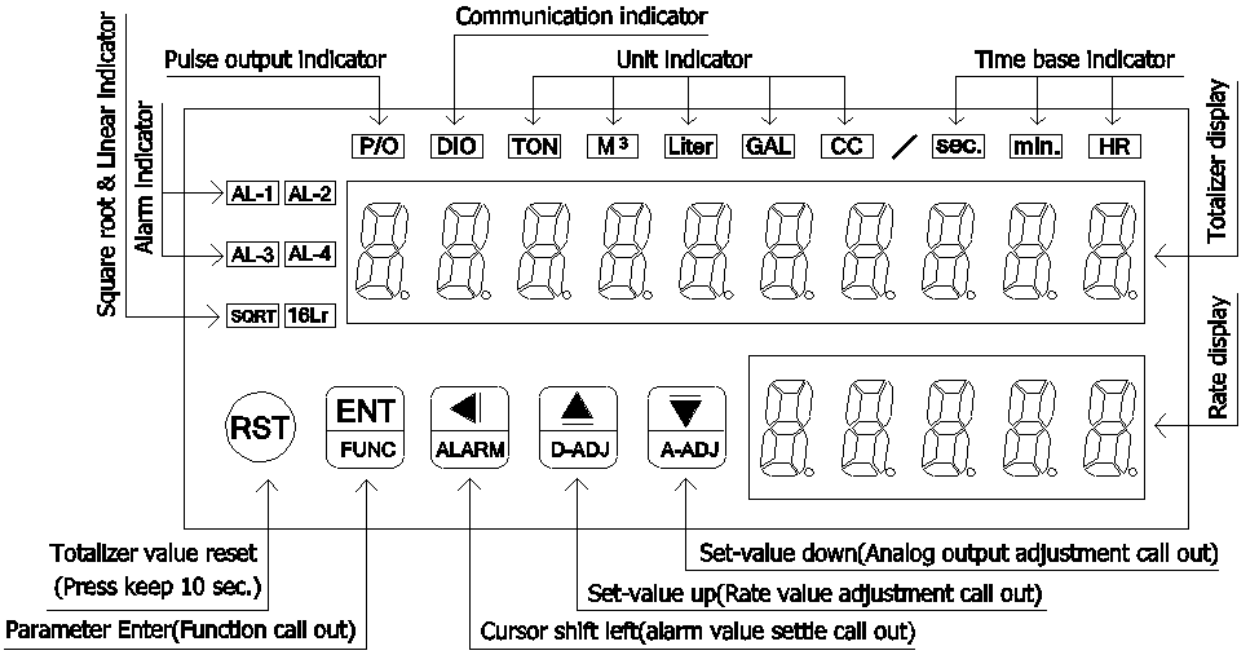
FEATURES

◎Accuracy 0.05% FS ± 1 digit	◎16BIT DAC analog output can be modified
◎Measuring and display rate(5 digits)/totalizer(10 digits)	◎RS485 communication interface,MODBUS RTU MODE
◎Display flow unit TON/M^3/Liter/GAL/CC can be modified	◎BAUD RATE:38400/19200/9600/4800/2400
◎Programmable time base(1 or 60 or 3600 or 86400 second)	◎16 Point Linearity,1/16 input value per point
◎Programmable scale factor(0.00001~99999.99999)(totalizer)	◎EEPROM saving data safekeeping about 10 years
◎Totalizer have Reset function	◎Auxiliary power(DC24V,<25mA) Can be supply

Name of Parts



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. In normal display,The▲ key function is call out adjustment display value(DZERO&DSPAN)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 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 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)
RST key function	1.When T-RST < 3, Press RST key beyond 10 seconds,wiil be reset totalizer value
▲&▼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 30 sec.,return normal display

Inside parameter operate procedure

Step	Parameter Mark Description	Parameter Mark	Operation Manual
1	Normal display	0 1234	1.Press㊎key into P.CODE setting page
2	P.CODE(Pass Code) Default = 0	P.CodE 00000	1.Key in 5 digit pass code with◀&▲&▼key 2.Press ㊎key,If the pass code is correct then into setting group, otherwise,return normal display
3	SYS(System Setting Group)	SYS	1.Select setting group with ◀key 2.Press㊎key into setting page of selection setting group
	ROP(Alarm output Setting Group)	roP	
	AOP(Analog output Setting Group)	AoP	

	DOP(Communication Setting Group)	dOP	
4	SYS(System setting group)	SYS	1.Press◀key decide SYS setting group 2.Press㊥key into IN-T setting page
4-1	IN-T(Input Type) Default = AN	In-t An	1.Decide Input Type with▲&▼key(AN/PULSE/MAG-P) 2.Press㊥key enter data and into D-UNIT setting page
4-2	D-UNIT(Display Flow Unit) Default = TON	d.Uni t ton	1.Decide Display Flow Unit with▲&▼key(TON/M^3/Liter/ GAL/CC) 2.Press㊥key enter data and into T-UNIT setting page
4-3	T-UNIT(Time base Unit) Default = MIN	t.Uni t Mi n	1.Decide Time base Unit with▲&▼key(SEC./MIN./HR/DAY) 2.Press㊥key enter data and into DP-R setting page Note:When T-UNIT is DAY,All time base indicator led is off
4-4	DP-R(Rate Decimal Point) Default = 0	dP-r 0.	1.Decide Rate Decimal Point with▲&▼key(0~4) 2.Press㊥key enter data and into DP-T setting page
4-5	DP-T(Totalizer Decimal Point) Default = 0	dP-t 0.	1.Decide Total Decimal Point with▲&▼key(0~4) 2.If IN-T = AN,Press㊥key enter data and into step 4-6 DSPL-R setting page 3.If IN-T = PULSE/MAG-P,Press㊥key enter data and into step 4-24 DP-KF setting page
4-6	DSPL-R(Rate Display Low) Default = 0	dSPL.r 00000	1.Decide Rate Display Low with◀&▲&▼key(0~999),If Rate display below settle value will be show zero,as Low Cut function 2.Press㊥key enter data and into DH-01 setting page
4-7	DH-01(Rate Display High-01) Default = 100	dH-01 00100	1.Decide Rate Display High-01 with◀&▲&▼key(0~99999) 2.Press㊥key enter data and into DH-02 setting page
4-8	DH-02(Rate Display High-02) Default = 200	dH-02 00200	1.Decide Rate Display High-02 with◀&▲&▼key(0~99999) 2.Press㊥key enter data and into DH-03 setting page
4-9	DH-03(Rate Display High-03) Default = 300	dH-03 00300	1.Decide Rate Display High-03 with◀&▲&▼key(0~99999) 2.Press㊥key enter data and into DH-04 setting page
4-10	DH-04(Rate Display High-04) Default = 400	dH-04 00400	1.Decide Rate Display High-04 with◀&▲&▼key(0~99999) 2.Press㊥key enter data and into DH-05 setting page
4-11	DH-05(Rate Display High-05) Default = 500	dH-05 00500	1.Decide Rate Display High-05 with◀&▲&▼key(0~99999) 2.Press㊥key enter data and into DH-06 setting page
4-12	DH-06(Rate Display High-06) Default = 600	dH-06 00600	1.Decide Rate Display High-06 with◀&▲&▼key(0~99999) 2.Press㊥key enter data and into DH-07 setting page
4-13	DH-07(Rate Display High-07) Default = 700	dH-07 00700	1.Decide Rate Display High-07 with◀&▲&▼key(0~99999) 2.Press㊥key enter data and into DH-08 setting page
4-14	DH-08(Rate Display High-08) Default = 800	dH-08 00800	1.Decide Rate Display High-08 with◀&▲&▼key(0~99999) 2.Press㊥key enter data and into DH-09 setting page
4-15	DH-09(Rate Display High-09) Default = 900	dH-09 00900	1.Decide Rate Display High-09 with◀&▲&▼key(0~99999) 2.Press㊥key enter data and into DH-10 setting page
4-16	DH-10(Rate Display High-10) Default = 1000	dH-10 01000	1.Decide Rate Display High-10 with◀&▲&▼key(0~99999) 2.Press㊥key enter data and into DH-11 setting page
4-17	DH-11(Rate Display High-011) Default = 1100	dH-11 01100	1.Decide Rate Display High-11 with◀&▲&▼key(0~99999) 2.Press㊥key enter data and into DH-12 setting page
4-18	DH-12(Rate Display High-12) Default = 1200	dH-12 01200	1.Decide Rate Display High-12 with◀&▲&▼key(0~99999) 2.Press㊥key enter data and into DH-13 setting page
4-19	DH-13(Rate Display High-13) Default = 1300	dH-13 01300	1.Decide Rate Display High-13 with◀&▲&▼key(0~99999) 2.Press㊥key enter data and into DH-14 setting page

4-20	DH-14(Rate Display High-14) Default = 1400	dH-14 01400	1.Decide Rate Display High-14 with◀&▲&▼key(0~99999) 2.Press ENT key enter data and into DH-15 setting page
4-21	DH-15(Rate Display High-15) Default = 1500	dH-15 01500	1.Decide Rate Display High-15 with◀&▲&▼key(0~99999) 2.Press ENT key enter data and into DH-16 setting page
4-22	DH-16(Rate Display High-16) Default = 1600	dH-16 01600	1.Decide Rate Display High-16 with◀&▲&▼key(0~99999) 2.Press ENT key enter data and into SQRT-K setting page
4-23	SQRT-K(Square Root Constant-K) Default = 0.5	SqrT.K 0.5	1.Decide Square Root Constant-K with▲&▼key(K=0.5/1.5/2.5) 2.Press ENT key enter data and into step 4-27 SCALER setting page
4-24	DP-KF(K-Factor Decimal Point) Default = 0	dP-KF 0.	1.Decide K-Factor Decimal Point with▲&▼key(0~4) 2.Press ENT key enter data and into KF setting page
4-25	KF(K-Factor) Default = 100	KF 00100	1.Decide K-Factor with◀&▲&▼key(1~99999) 2.Press ENT key enter data and into T-BASE setting page
4-26	T-BASE(Time Base) Default = 1.0 second	t.bASE 0001.0	1.Decide Time Base with◀&▲&▼key(0.1~99.9 sec.) 2.Press ENT key enter data and into SCALER setting page
4-27	SCALER(Totalizer Scaler) Default = 1.00000	1.00000 SCALE	1.Decide Totalizer Scale with◀&▲&▼key (0.00001~99999.99999) 2.Press ENT key enter data and into T-RST setting page
4-28	T-RST(Totalizer Reset) Default = 0	t-rSt 00000	1.Decide Totalizer Reset with▲&▼key (0~4) 0 = Panel/Terminal/RS-485 can be reset 1 = Only Panel / Terminal can be reset 2 = Only Panel /RS-485 can be reset 3 = Only Terminal /RS-485 can be reset 4 = Only RS-485 can be reset 2. Press ENT key enter data and into P-UNIT setting page
4-29	P-UNIT(Totalizer Pulse Unit) Default = 1	P.Unit 1	1.Decide Totalizer Pulse Unit with▲&▼key(0.001/0.01/0.1/1) 2. Press ENT key enter data and into P-FREQ setting page
4-30	P-FREQ(Pulse Output Frequency) Default = 100	P.FrEq 100	1.Decide Pulse Output Frequency with▲&▼key (1/5/10/25/50/100 Hz) 2. Press ENT key enter data and into AVG setting page
4-31	AVG(Rate Average) Default = 5	AvG 00005	1.Decide Rate Average with◀&▲&▼key(1~99) 2.Press ENT key enter data and into CODE-S setting page
4-32	CODE-S(Pass Code Setting) Default = 00000	CodE.S 00000	1.Decide Pass Code Setting with◀&▲&▼key(00000~99999) 2.Press ENT key enter data and into LOCK setting page
4-33	LOCK(Panel Lock) Default = 0	LoCK 00000	1.Decide Panel Lock with▲&▼ key(0~2) 0 = All of operate procedure can be modified 1 = Only outside operate procedure can be modified 2 = All of operate procedure can not be modified 2.Press ENT key enter data and return SYS Setting Group
5	ROP(Alarm Output setting group)	roP	1.Press◀key decide ROP setting group 2.Press ENT key into AL1-S setting page
5-1	AL1-S(Alarm 1 Select) Default = RATE	AL1-S rAtE	1.Decide Alarm 1 Select with▲&▼ key(RATE/TOTAL) 2.Press ENT key enter data and into AL2-S setting page
5-2	AL2-S(Alarm 2 Select) Default = RATE	AL2-S rAtE	1.Decide Alarm 2 Select with▲&▼ key(RATE/TOTAL) 2.Press ENT key enter data and into AL3-S setting page
5-3	AL3-S(Alarm 3 Select) Default = RATE	AL3-S rAtE	1.Decide Alarm 3 Select with▲&▼ key(RATE/TOTAL) 2.Press ENT key enter data and into AL4-S setting page
5-4	AL4-S(Alarm 4 Select)	AL4-S	1.Decide Alarm 4 Select with▲&▼ key(RATE/TOTAL)

	Default = RATE	rAtE	2.Press ENT key enter data and into ACT-1 setting page
5-5	ACT-1(Active 1) Default = HI	ACt-1 Hi	1.Decide Active 1 with ▲ & ▼ key(HI/LO) 2.Press ENT key enter data and into ACT-2 setting page
5-6	ACT-2(Active 2) Default = HI	ACt-2 Hi	1.Decide Active 2 with ▲ & ▼ key(HI/LO) 2.Press ENT key enter data and into ACT-3 setting page
5-7	ACT-3(Active 3) Default = HI	ACt-3 Hi	1.Decide Active 3 with ▲ & ▼ key(HI/LO) 2.Press ENT key enter data and into ACT-4 setting page
5-8	ACT-4(Active 4) Default = HI	ACt-4 Hi	1.Decide Active 4 with ▲ & ▼ key(HI/LO) 2.Press ENT key enter data and into DEL-1 setting page
5-9	DEL-1(Delay 1) Default = 0	dEL-1 00000	1.Decide Delay 1 with ◀ & ▲ & ▼ key(0~99) 2.Press ENT key enter data and into DEL-2 setting page
5-10	DEL-2(Delay 2) Default = 0	dEL-2 00000	1.Decide Delay 2 with ◀ & ▲ & ▼ key(0~99) 2.Press ENT key enter data and into DEL-3 setting page
5-11	DEL-3(Delay 3) Default = 0	dEL-3 00000	1.Decide Delay 3 with ◀ & ▲ & ▼ key(0~99) 2.Press ENT key enter data and into DEL-4 setting page
5-12	DEL-4(Delay 4) Default = 0	dEL-4 00000	1.Decide Delay 4 with ◀ & ▲ & ▼ key(0~99) 2.Press ENT key enter data and return ROP Setting Group
6	AOP(Analog Output setting group)	AoP	1.Press ◀ key decide AOP setting group 2.Press ENT key into AO-SEL setting page
6-1	AO-SEL(Analog Output Select) Default = RATE	Ao-SEL rAtE	1.Decide Analog Output Select with ▲ & ▼ key(RATE/TOTAL) 2.If AO-SEL = RATE,Press ENT key enter data and into step 6-2 R-ANLO setting page 3.If AO-SEL = TOTAL,Press ENT key enter data and into step 6-4 T-ANLO setting page
6-2	R-ANLO(RATE Analog Output Zero-According to Display) Default = 0	r.AnLo 00000	1.Decide RATE Analog Output Zero-According to Display with ◀ & ▲ & ▼ key(0~99999) 2.Press ENT key enter data and into R-ANHI setting page
6-3	R-ANHI(RATE Analog Output Span-According to Display) Default = 1000	r.AnHi 01000	1.Decide RATE Analog Output Span-According to Display with ◀ & ▲ & ▼ key(0~99999) 2.Press ENT key enter data and return AOP Setting Group
6-4	T-ANLO(Total Analog Output Zero-According to Display) Default = 0	000000 t.AnLo	1.Decide Total Analog Output Zero-According to Display with ◀ & ▲ & ▼ key(0~9999999999) 2.Press ENT key enter data and into T-ANHI setting page
6-5	T-ANHI(Total Analog Output Span-According to Display) Default = 1000	001000 t.AnHi	1.Decide Total Analog Output Span-According to Display with ◀ & ▲ & ▼ key(0~9999999999) 2.Press ENT key enter data and return AOP Setting Group
7	DOP(Communication setting group)	doP	1.Press ◀ key decide DOP setting group 2.Press ENT key into ADDR setting page
7-1	ADDR(Communication Address) Default = 0	Addr 00000	1.Decide Communication Address with ◀ & ▲ & ▼ key(0~255) 2.Press ENT key enter data and into BAUD setting page
7-2	BAUD(Communication Baud Rate) Default = 19200	bAUd 19200	1.Decide Communication Baud Rate with ▲ & ▼ key(38400/ 19200/9600/4800/2400) 2.Press ENT key enter data and into PARI setting page
7-3	PARI(Communication Parity Check) Default = n.8.2.	PAri n.8.2.	1.Decide Communication Parity Check with ▲ & ▼ key (n.8.2/n.8.1/even/odd) 2.Press ENT key enter data and return DOP Setting Group

√ Outside parameter operate procedure

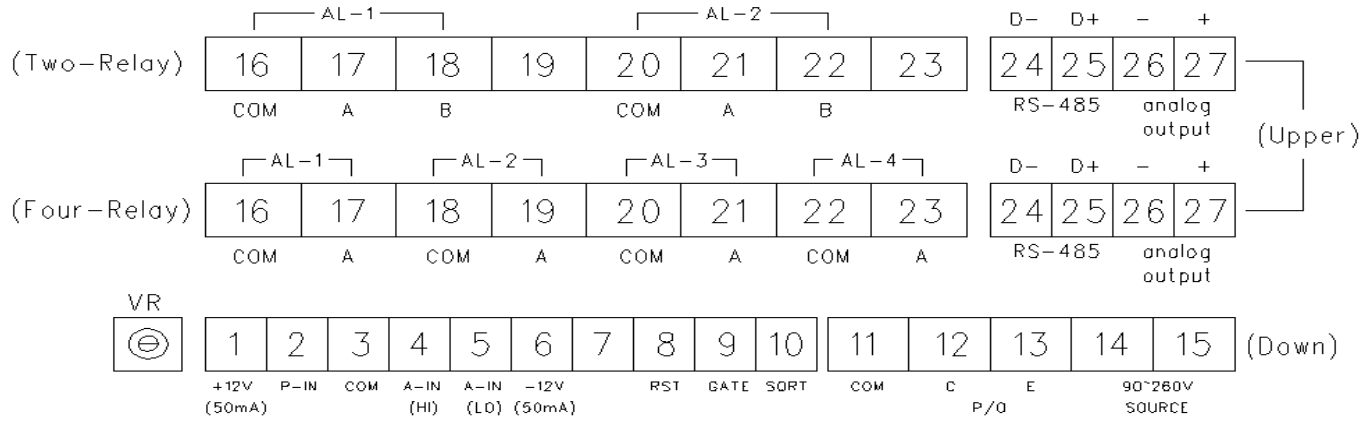
Step	Parameter Mark Description	Parameter Mark	Operation Manual
8	Normal display	0 1234	1.Press ◀/ALARM key beyond 3 seconds into AL-1 setting page
8-1	AL-1(Alarm 1) Default = 0	0000000000 AL-1	1.Decide Alarm 1 with◀&▲&▼key(AL1-S = RATE range is 0~99999,AL1-S = TOTAL range is 0~9999999999) 2. Press END key enter data and into AL-2 setting page
8-2	AL-2(Alarm 2) Default = 0	0000000000 AL-2	1.Decide Alarm 2 with◀&▲&▼key(AL2-S = RATE range is 0~99999,AL2-S = TOTAL range is 0~9999999999) 2. Press END key enter data and into AL-3 setting page
8-3	AL-3(Alarm 3) Default = 0	0000000000 AL-3	1.Decide Alarm 3 with◀&▲&▼key(AL3-S = RATE range is 0~99999,AL3-S = TOTAL range is 0~9999999999) 2. Press END key enter data and into AL-4 setting page
8-4	AL-4(Alarm 4) Default = 0	0000000000 AL-4	1.Decide Alarm 4 with◀&▲&▼key(AL4-S = RATE range is 0~99999,AL4-S = TOTAL range is 0~9999999999) 2. Press END key enter data and return normal display

Step	Parameter Mark Description	Parameter Mark	Operation Manual
9	Normal display	12345	1.When IN_T = AN,Press ▲/D-ADJ key beyond 3 seconds into DZERO setting page
9-1	DZERO(Rate display Zero Adjust)	d.Zero 00000	1.Decide Rate Display Zero Adjust with▲&▼key 2.Press END key enter data and into D-SPAN setting page
9-2	DSPAN(Rate display Span Adjust)	d.SPAn 99999	1.Decide Rate Display Span Adjust with▲&▼key 2.Press END key enter data and return normal display

Step	Parameter Mark Description	Parameter Mark	Operation Manual
10	Normal display	12345	1.Press ▼/A-ADJ key beyond 3 seconds into AZERO setting page
10-1	AZERO(Analog Output Zero Adjust) Default = 0	A.Zero 00000	1.Decide Analog Output Zero Adjust with◀&▲&▼key (-6000~6000) 2. Press END key enter data and into ASPAN setting page
10-2	ASPAn(Analog Output Span Adjust) Default = 0	A.SPAn 00000	1.Decide Analog Output Span Adjust with◀&▲&▼key (-6000~6000) 2.Press END key enter data and return normal display

Appendix	Error Mark description	Error Mark	Analyze & Description
1	Input over range error detect	,oFL	1.Input signal over measurable range
2	Display over range error detect	doFL	1 Input signal over display range (99999 or 9999999999)
3	EEPROM error detect	E-00 no YES	1.External interference when EEPROM read/write 2.EEPROM write typ. 1,000,000 cycles(guarantee 10 years) Please power reset,if still display E-00,doing below step: a.E-00 & No alternate display for inquire reset EEPROM b.Decide Yes with▲&▼key,Press END key return normal display c.EEPROM was reset,Please follow step 1~10 setting again

√ Terminal Connection Diagram



Terminal function description:

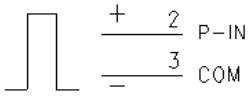
1.RST Terminal:When T-RST = 0/1/3,Once terminal RST & COM is short,The totalizer value will be reset.

2.GATE Terminal:When totalizer is counting,Once terminal GATE & COM is short, The totalizer count will be pause

3.SQRT Terminal:When terminal SQRT & COM is short,Analog input Square Root (0.5/1.5/2.5) will be action

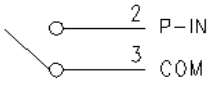
Note:VR is ON/OFF detect adjust for Magnetic pick-up signal

√ Pulse input and internal jumper table



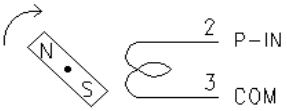
Voltage Pulse

S2-A	S2-B
OFF	OFF



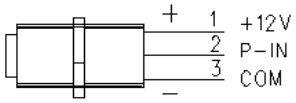
Switch contact/ open collector

S2-A	S2-B
ON	ON



Magnetic pick-off

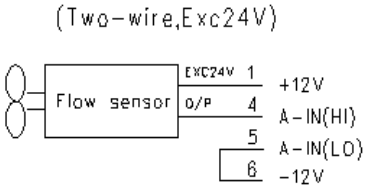
S2-A	S2-B
OFF	ON

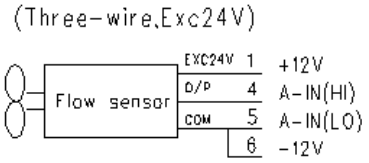


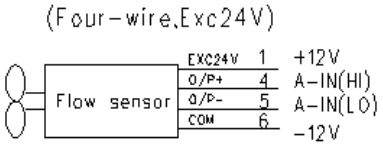
Proximity detector

NPN		PNP	
S2-A	S2-B	S2-A	S2-B
ON	OFF	OFF	OFF

√ Analog input







y**MAFRT_16Lr Modbus RTU Mode Protocol Address Map**
y**Data format 16Bit/32Bit sign bit 8000~7FFF(-32768~32767)/80000000~7FFFFFFF(-2147483648~2147483647)**
y**Data format 64Bit unsign bit 0000000000000000~FFFFFFFFFFFFFFFF(0 ~ (2^{64} -1))**

Address	Name	Description	Accept
0000	IN-T	Input Type,Input Range 0000~0002(0~2)(0:AN,1:PULSE,2:MAG-P)	R/W
0001	D-UNIT	Display Flow Unit,Input Range 0000~0004(0~4)(0:TON,1:M3,2:LITER,3:GAL,4:CC)	R/W
0002	T-UNIT	Time base Unit,Input Range 0000~0003(0~3)(0:SEC,1:MIN,2:HR,3:DAY)	R/W
0003	DP-R	Rate Decimal Point,Input Range 0000~0004(0~4)	R/W
0004	DP-T	Totalizer Decimal Point,Input Range 0000~0004(0~4)	R/W
0005	DP-KF	Pulse input K-Factor Decimal Point,Input Range 0000~0004(0~4)	R/W
0006	SQRT-K	Analog input Square Root Constant-K,Input Range 0000~0002(0~2)(0:0.5,1:1.5,2:2.5)	R/W
0007	P-UNIT	Totalizer Pulse Unit,Input Range 0000~0003(0~3)(0:0.001,1:0.01,2:0.1,3:1)	R/W
0008	AO-SEL	Analog Output Select,Input Range 0000~0001(0~1) (0:RATE,1:TOTAL)	R/W
0009	T-RST	Totalizer Reset,Input Range 0000~0004 (0~4)	R/W
000A	AVG	Rate Average,Input Range 0001~0063 (1~99)	R/W
000B	LOCK	Panel Lock,Input Range 0000~0002(0~2)	R/W
000C	AL1-S	Alarm 1 Select,Input Range 0000~0001 (0~1)(0:RATE,1:TOTAL)	R/W
000D	AL2-S	Alarm 2 Select,Input Range 0000~0001 (0~1)(0:RATE,1:TOTAL)	R/W
000E	AL3-S	Alarm 3 Select,Input Range 0000~0001 (0~1)(0:RATE,1:TOTAL)	R/W
000F	AL4-S	Alarm 4 Select,Input Range 0000~0001 (0~1)(0:RATE,1:TOTAL)	R/W
0010	ACT-1	Active 1,Input Range 0000~0001 (0~1)(0:HI,1:LO)	R/W
0011	ACT-2	Active 2,Input Range 0000~0001 (0~1)(0:HI,1:LO)	R/W
0012	ACT-3	Active 3,Input Range 0000~0001 (0~1)(0:HI,1:LO)	R/W
0013	ACT-4	Active 4,Input Range 0000~0001 (0~1)(0:HI,1:LO)	R/W
0014	DEL-1	Delay 1,Input Range 0000~0063 (0~99)	R/W
0015	DEL-2	Delay 2,Input Range 0000~0063 (0~99)	R/W
0016	DEL-3	Delay 3,Input Range 0000~0063 (0~99)	R/W
0017	DEL-4	Delay 4,Input Range 0000~0063 (0~99)	R/W
0018	ADDR	Communication Address,Input Range 0000~00FF (0~255)	R/W
0019	BAUD	Baud Rate,Input Range 0000~0004 (0~4)(0:38400,1:19200,2:9600,3:4800,4:2400)	R/W
001A	PARI	Parity Check,Input Range 0000~0003 (0~3)(0:N82,1:N81,2:EVEN,3:ODD)	R/W
001B	T-BASE	Time Base,Input Range 0001~03E7(1~999)	R/W
001C	DSPL-R	Rate Display Low,Input Range 0001~03E7 (0~999)	R/W
001D	AZERO	Analog Output Zero Adjust,Input Range E890~1770 (-6000~6000)	R/W
001E	ASPAN	Analog Output Span Adjust,Input Range E890~1770 (-6000~6000)	R/W
001F	CODE-S	Pass Code Setting,Input Range 00000000~0001869F (0~99999) high word	R/W
0020		Pass Code Setting,Input Range 00000000~0001869F (0~99999) low word	R/W
0021	KF	K-Factor,Input Range 00000001~0001869F(1~99999) high word	R/W
0022		K-Factor,Input Range 00000001~0001869F(1~99999) low word	R/W
0023	DH-01	Rate Display High-01,Input Range 00000000~0001869F(0~99999) high word	R/W
0024		Rate Display High-01,Input Range 00000000~0001869F(0~99999) low word	R/W
0025	DH-02	Rate Display High-02,Input Range 00000000~0001869F(0~99999) high word	R/W
0026		Rate Display High-02,Input Range 00000000~0001869F(0~99999) low word	R/W
0027	DH-03	Rate Display High-03,Input Range 00000000~0001869F(0~99999) high word	R/W
0028		Rate Display High-03,Input Range 00000000~0001869F(0~99999) low word	R/W
0029	DH-04	Rate Display High-04,Input Range 00000000~0001869F(0~99999) high word	R/W
002A		Rate Display High-04,Input Range 00000000~0001869F(0~99999) low word	R/W
002B	DH-05	Rate Display High-05,Input Range 00000000~0001869F(0~99999) high word	R/W
002C		Rate Display High-05,Input Range 00000000~0001869F(0~99999) low word	R/W
002D	DH-06	Rate Display High-06,Input Range 00000000~0001869F(0~99999) high word	R/W
002E		Rate Display High-06,Input Range 00000000~0001869F(0~99999) low word	R/W
002F	DH-07	Rate Display High-07,Input Range 00000000~0001869F(0~99999) high word	R/W
0030		Rate Display High-07,Input Range 00000000~0001869F(0~99999) low word	R/W
0031	DH-08	Rate Display High-08,Input Range 00000000~0001869F(0~99999) high word	R/W
0032		Rate Display High-08,Input Range 00000000~0001869F(0~99999) low word	R/W
0033	DH-09	Rate Display High-09,Input Range 00000000~0001869F(0~99999) high word	R/W
0034		Rate Display High-09,Input Range 00000000~0001869F(0~99999) low word	R/W

0035	DH-10	Rate Display High-10,Input Range 00000000~0001869F(0~99999) high word	R/W
0036		Rate Display High-10,Input Range 00000000~0001869F(0~99999) low word	R/W
0037	DH-11	Rate Display High-11,Input Range 00000000~0001869F(0~99999) high word	R/W
0038		Rate Display High-11,Input Range 00000000~0001869F(0~99999) low word	R/W
0039	DH-12	Rate Display High-12,Input Range 00000000~0001869F(0~99999) high word	R/W
003A		Rate Display High-12,Input Range 00000000~0001869F(0~99999) low word	R/W
003B	DH-13	Rate Display High-13,Input Range 00000000~0001869F(0~99999) high word	R/W
003C		Rate Display High-13,Input Range 00000000~0001869F(0~99999) low word	R/W
003D	DH-14	Rate Display High-14,Input Range 00000000~0001869F(0~99999) high word	R/W
003E		Rate Display High-14,Input Range 00000000~0001869F(0~99999) low word	R/W
003F	DH-15	Rate Display High-15,Input Range 00000000~0001869F(0~99999) high word	R/W
0040		Rate Display High-15,Input Range 00000000~0001869F(0~99999) low word	R/W
0041	DH-16	Rate Display High-16,Input Range 00000000~0001869F(0~99999) high word	R/W
0042		Rate Display High-16,Input Range 00000000~0001869F(0~99999) low word	R/W
0043	R-ANLO	RATE Analog Output Zero-According to Display,Input Range 00000000~0001869F(0~99999) high word	R/W
0044		RATE Analog Output Zero-According to Display,Input Range 00000000~0001869F(0~99999) low word	R/W
0045	R-ANHI	RATE Analog Output Span-According to Display,Input Range 00000000~0001869F(0~99999) high word	R/W
0046		RATE Analog Output Span-According to Display,Input Range 00000000~0001869F(0~99999) low word	R/W
0047	AL-1	Alarm 1,Input Range 00000000~0001869F(0~99999)/0000000000000000~00000002540BE3FF(0~9999999999)high word	R/W
0048		Alarm 1,Input Range 00000000~0001869F(0~99999)/0000000000000000~00000002540BE3FF(0~9999999999)	R/W
0049		Alarm 1,Input Range 00000000~0001869F(0~99999)/0000000000000000~00000002540BE3FF(0~9999999999)	R/W
004A		Alarm 1,Input Range 00000000~0001869F(0~99999)/0000000000000000~00000002540BE3FF(0~9999999999)low word	R/W
004B	AL-2	Alarm 2,Input Range 00000000~0001869F(0~99999)/0000000000000000~00000002540BE3FF(0~9999999999)high word	R/W
004C		Alarm 2,Input Range 00000000~0001869F(0~99999)/0000000000000000~00000002540BE3FF(0~9999999999)	R/W
004D		Alarm 2,Input Range 00000000~0001869F(0~99999)/0000000000000000~00000002540BE3FF(0~9999999999)	R/W
004E		Alarm 2,Input Range 00000000~0001869F(0~99999)/0000000000000000~00000002540BE3FF(0~9999999999)low word	R/W
004F	AL-3	Alarm 3,Input Range 00000000~0001869F(0~99999)/0000000000000000~00000002540BE3FF(0~9999999999)high word	R/W
0050		Alarm 3,Input Range 00000000~0001869F(0~99999)/0000000000000000~00000002540BE3FF(0~9999999999)	R/W
0051		Alarm 3,Input Range 00000000~0001869F(0~99999)/0000000000000000~00000002540BE3FF(0~9999999999)	R/W
0052		Alarm 3,Input Range 00000000~0001869F(0~99999)/0000000000000000~00000002540BE3FF(0~9999999999)low word	R/W
0053	AL-4	Alarm 4,Input Range 00000000~0001869F(0~99999)/0000000000000000~00000002540BE3FF(0~9999999999)high word	R/W
0054		Alarm 4,Input Range 00000000~0001869F(0~99999)/0000000000000000~00000002540BE3FF(0~9999999999)	R/W
0055		Alarm 4,Input Range 00000000~0001869F(0~99999)/0000000000000000~00000002540BE3FF(0~9999999999)	R/W
0056		Alarm 4,Input Range 00000000~0001869F(0~99999)/0000000000000000~00000002540BE3FF(0~9999999999)low word	R/W
0057	SCALER	Totalizer Scaler,Input Range 0000000000000001~00000002540BE3FF(1~9999999999) high word	R/W
0058		Totalizer Scaler,Input Range 0000000000000001~00000002540BE3FF(1~9999999999)	R/W
0059		Totalizer Scaler,Input Range 0000000000000001~00000002540BE3FF(1~9999999999)	R/W
005A		Totalizer Scaler,Input Range 0000000000000001~00000002540BE3FF(1~9999999999)low word	R/W
005B	T-ANLO	Total ANLO,Input Range 0000000000000000~00000002540BE3FF(0~9999999999) high word	R/W
005C		Total ANLO,Input Range 0000000000000000~00000002540BE3FF(0~9999999999)	R/W
005D		Total ANLO,Input Range 0000000000000000~00000002540BE3FF(0~9999999999)	R/W
005E		Total ANLO,Input Range 0000000000000000~00000002540BE3FF(0~9999999999) low word	R/W
005F	T-ANHI	Total ANHI Input Range 0000000000000000~00000002540BE3FF(0~9999999999) high word	R/W
0060		Total ANHI,Input Range 0000000000000000~00000002540BE3FF(0~9999999999)	R/W
0061		Total ANHI,Input Range 0000000000000000~00000002540BE3FF(0~9999999999)	R/W
0062		Total ANHI,Input Range 0000000000000000~00000002540BE3FF(0~9999999999) low word	R/W
0063	DISPLAY-R	Rate display,Display range 00000000~0001869F(0~99999) high word	R
0064		Rate display,Display range 00000000~0001869F(0~99999) low word	R
0065	DISPLAY-T	Totalizer display,Display range 0000000000000000~00000002540BE3FF(0~9999999999) high word	R
0066		Totalizer display,Display range 0000000000000000~00000002540BE3FF(0~9999999999)	R
0067		Totalizer display,Display range 0000000000000000~00000002540BE3FF(0~9999999999)	R
0068		Totalizer display,Display range 0000000000000000~00000002540BE3FF(0~9999999999) low word	R
0069	STATUS	Alarm output status,Display range 0000~007F(0~127)(Bit0:AL-1,Bit1:AL-2,Bit2:AL-3,Bit3:AL-4, Bit4:IOFL,	R
006A	TOTAL-RST	When T-RST setting is not 1,Input Range 0001(1) will be reset totalizer value	W
006B	P_FREQ	Pulse Output Frequency,Input Range 0000~0005(0~5)(0:1,1:5,2:10,3:25,4:50,5:100)	R/W