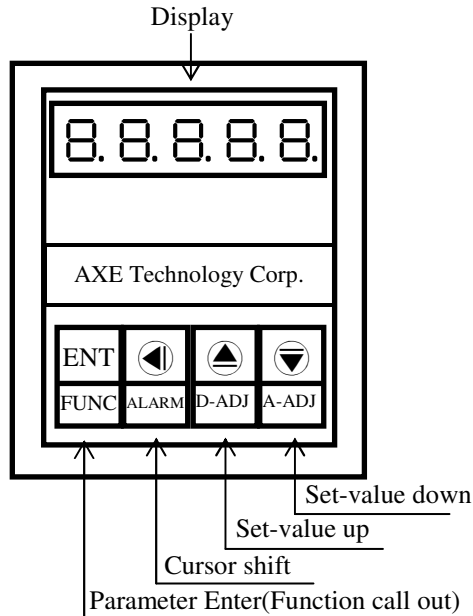


AXE MICROPROCESS FREQUENCY ISOLATED TRANSMITTER TMF series

■ FEATURES

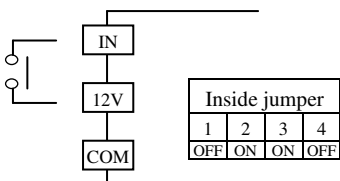
- ◎Accept more type sensor(MOS/TTL/NPN/PNP),finish RPM/LINE-SPEED /HZ measuring
- ◎Accuracy 0.03% F.S.
- ◎Input range(0.01~80KHz),Display range(0~99999)
- ◎Decimal point can be modified
- ◎Scale decimal point can be modified
- ◎Scale can be modified(1~99999)
- ◎Display average times can be modified(1~99 times)
- ◎0.40" highlight display
- ◎Man-machine interface,easy to operate
- ◎EEPROM saveing,data safekeeping about 10 years
- ◎Modified inside parameter,must have pass code

■ Name Of Parts

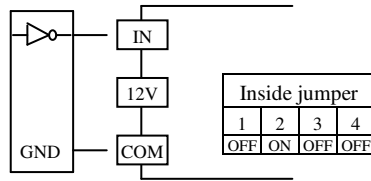


■ Connect Diagram

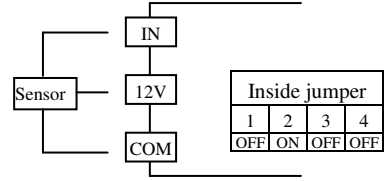
◎Contact input(PNP)



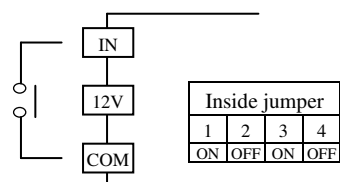
◎CMOS input(12V or 15V)



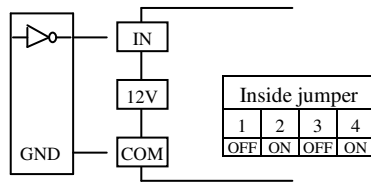
◎Sensor input(PNP 12V)



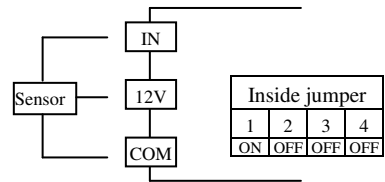
◎Contact input(NPN)



◎TTL input(5V)



◎Sensor input(NPN 12V)



■ Input function jumper table

		1	Position 1	ON: NPN
		2	Position 2	ON: PNP
		3	Position 3	ON: 0~50Hz OFF:0~80KHz
		4	Position 4	ON: TTL OFF:CMOS

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.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.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 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 page(AZERO&ASPAN) 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 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
1-1	P.COD(Pass Code) Default=0	P. C O D 0 0 0 0 0	1.Key in 5 digit pass code with ◀&▲&▼ key 2.Press Ⓜ key,the pass code is right into DP setting page, otherwise return normal display
1-2	DP(Decimal Point) Default=0	d P 0	1.Decide decimal point with ▲&▼ key(0~4) 2.Press Ⓜ key enter data and into S.DP setting page
1-3	S.DP(Scale DP) Default=0	S. d P 0	1.Decide scale decimal point with ▲&▼ key(0~4) 2.Press Ⓜ key enter data and into SCALE setting page
1-4	SCALE (Scale) Default=1	S C A L E 0 0 0 0 1	1. Decide scale with ◀&▲&▼ key(1~99999) 2.Press Ⓜ key enter data and into TBASE setting page
1-5	TBASE(Time Base) Default=0.1	T B A S E 0 0 0 0 . 1	1.Decide time base with ◀&▲&▼ key(0.1~99.9) 2.Press Ⓜ key enter data and into AVG setting page
1-6	AVG (Average) Default=1	A v g 0 0 0 0 1	1.Decide display average times with ◀&▲&▼ key(1 to 99) 2.Press Ⓜ key enter data and into ANLO setting page
1-7	ANLO(Analog Output Zero- According to Display) Default=0	A n l o 0 0 0 0 0	1.Decide ANLO with ◀&▲&▼ key (-19999~19999) 2.Press Ⓜ key enter data and into ANHI setting page
1-8	ANHI(Analog Output Span- According to Display) Default=99999	A n h i 9 9 9 9 9	1.Decide ANHI with ◀&▲&▼ key(-19999~19999) 2.Press Ⓜ key enter data and into CODE setting group
1-9	CODE(Code) Default=0	C o d e 0 0 0 0 0	1.Decide pass code with ◀&▲&▼ key(0 to 19999) 2.Press Ⓜ key enter data and into LOCK setting page
1-10	LOCK(Panel Lock) Default=NO	L o c k n o	1.Decide panel lock with ▲&▼ key(NO or YES) 2.Press Ⓜ key enter data and return DP setting page

Step	Parameter Mark Description	Parameter Mark	Operation Manual
2	Normal display	1 2 3 4 5	Press ▼ key about 3 sec.,into AZERO adjustment page
2-1	AZERO(Analog Output Zero Adjustment page) Default=0	0 0 0 0 0 A Z E R O	1.Adjustment analog output zero with ◀&▲&▼ key(±9999) 2.Press Ⓜ key enter data and into ASPAN adjustment page
2-2	ASPAN(Analog Output Span Adjustment page) Default=0	0 0 0 0 0 A S P A N	1.Adjustment analog output span with ◀&▲&▼ key(±9999) 2.Press Ⓜ key enter data and return normal display

Appendix	Error Mark Description	Error Mark	Analyze & Description
1	Input over error detect	i o F L	Input over range(0~80KHz)
2	Display over error detect	d o F L	Display over range(99999)
3	EEPROM Error detect	E - 0 0 n o y e s	1.External 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 EEPROM was reset,Please follow step 1~2 set again