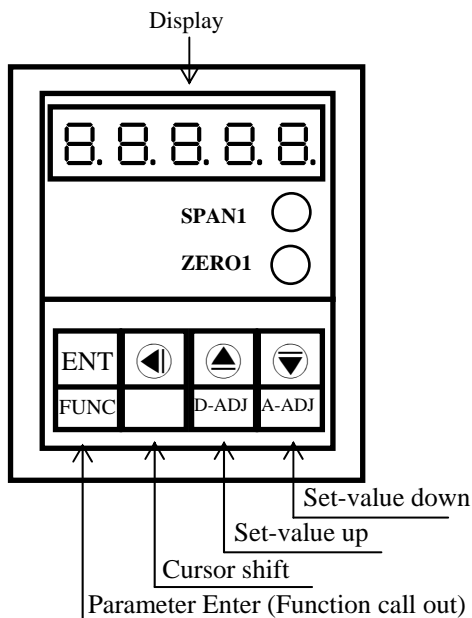


# AXE DUAL OUTPUT MICROPROCESS FREQUENCY ISOLATED TRANSMITTER DTMF series

## FEATURES

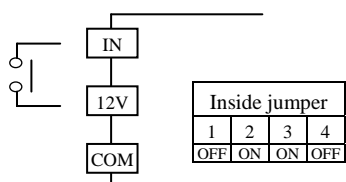
- ◎Accept more type sensor(MOS/TTL/NPN/PNP),finish RPM/LINE-SPEED /HZ measuring
- ◎Accuracy 0.03% F.S.
- ◎Input range(0.01~80KHz),Display range(0~99999)
- ◎Decimal point can be modified
- ◎Scale decimal point can be modified
- ◎Scale can be modified(1~99999)
- ◎16BIT DAC analog output can be modified,
- ◎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

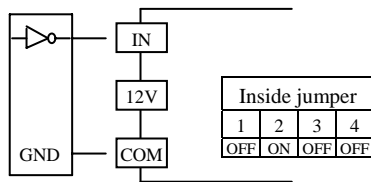


## Connect Diagram

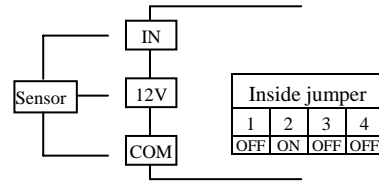
### ◎Contact input(PNP)



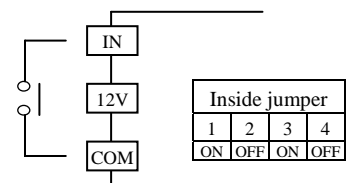
### ◎CMOS input(12V or 15V)



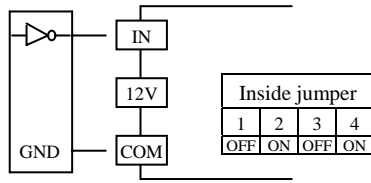
### ◎Sensor input(PNP 12V)



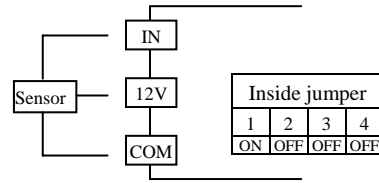
### ◎Contact input(NPN)



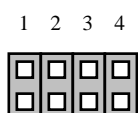
### ◎TTL input(5V)



### ◎Sensor input(NPN 12V)



## Input function jumper table



- Position 1 ON: NPN
- Position 2 ON: PNP
- Position 3 ON: 0~50Hz OFF:0~80KHz
- 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 ◀ 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 page(AZERO&ASPAN) 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	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	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 (0~99999) 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(0~99999) 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 99999) 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	A z e r o 0 0 0 0 0	1.Adjustment analog output zero with◀&▲&▼key(±6000) 2.Press☐key enter data and into ASPAN adjustment page
2-2	ASPAN(Analog Output Span Adjustment page) Default=0	A s p a n 0 0 0 0 0	1.Adjustment analog output span with◀&▲&▼key(±6000) 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 3.EEPROM was reset,Please follow step 1~2 set again