

# DUAL OUTPUT MICROPROCESS FREQUENCY ISOLATED TRANSMITTER

**MODEL  
DTMF**



## FEATURES

- Accuracy 0.03%F.S.
- Input range from 0.01 Hz to 80KHz
- 16 bit DAC isolating analog output
- Dielectric strength 2KVac/1min. (input/output1/output2/power)
- Wide input range for auxiliary power
- Dimension small and High stability

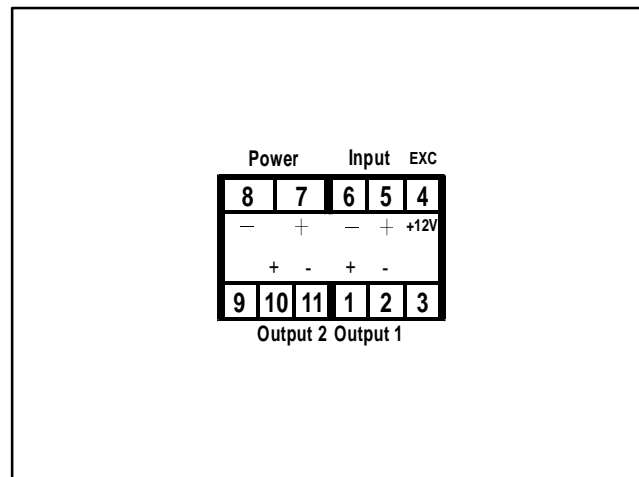
## 1.MODEL:DTMF-

NO	Input Type	NO	Input Type	NO	Input Type	NO	Output 1	NO	Output 1	NO	Output 2	NO	Output 2	NO	Aux. Power
1	Dry contact	5	Magnetic pick-up (AC50mV~1.5V)	7	AC2-60V	A	0-50mV	F	0-1mA	A	0-50mV	F	0-1mA	A	AC/DC 18-60V
2	Pulse(TTL)(5V)			9	SPECIFIED	C	1-5V	H	0-20mA	C	1-5V	H	0-20mA	B	AC/DC 90-260V
3	Pulse(NPN)(12V)	6	Magnetic pick-up (AC500mV~15V)			D	0-10V	I	4-20mA	D	0-10V	I	4-20mA		Less 4VA for AC/DC input
4	Pulse(PNP)(12V)					E	2-10V	R	SPECIFIED	E	2-10V	R	SPECIFIED		

## 2.SPCIFICATION

- Measuring accuracy : 0.03% F.S. (23 ± 5 )
- Count input type : Switch selectable current sourcing(NPN) or current sinking (PNP)
- Count input trigger levels : HI bias (CMOS) (V<sub>IH</sub>=7.5V, V<sub>IL</sub>=5.5V)  
LO bias (TTL) (V<sub>IH</sub>=3.7V, V<sub>IL</sub>=2.0V)
- Sampling time : 20 cycles/sec. (>10Hz)  
f/2 cycles/sec(<10Hz)
- Analog output resolution : 16 bit DAC
- Response time : <250ms (0-90%)
- Output drive capability : <10mA for voltage mode  
<10V for current mode
- Output ripple(p-p) : <0.1% F.S.
- Zero (offset) range : 0- ± 9999 Digit adjustable(output1)  
0- ± 5%F.S.(output2)
- Span (scale) range : 0- ± 9999 Digit adjustable(output2)  
0- ± 10%F.S.(output2)
- Sensor power supply : 12VDC ± 3% (<50mA)
- Temp. coefficient : 50ppm/ (0-50 )
- Display : Red high efficiency LEDs high 10.16mm (0.4")
- Isolation : Input/Output1/Output2/Power/Case
- Parameter setting : Touch switches
- Memory mode : Non-volatile E<sup>2</sup> PROM memory
- Insulation Resistance : >100Mohm with 500V DC
- Dielectric strength : 2KVac/1 min. (input/output1/output2/power)  
1600Vdc (input/output1/output2)
- Operating condition : 0-60 (20 to 90% RH non-condensed)
- Storage condition : 0-70 (20 to 90% RH non-condensed)
- Construction : Socket/plugin type with barrier terminals
- CE EMC Certification : EN 55022:1998/A1:2000 Class A  
EN 61000-3-2:2000  
EN 61000-3-3:1995/A1:2001  
EN 55024:1998/A1:2001

## 3.TERMINAL CONNECTION



## 4.DIMENSION (unit:mm)

