

FREQUENCY TRANSDUCER

WFTP2 - □□□□□

CONSTANT VOLTAGE/CURRENT OUTPUT TYPE

Use

This device converts frequency in an electric power system into a DC signal in proportion to input.

Features

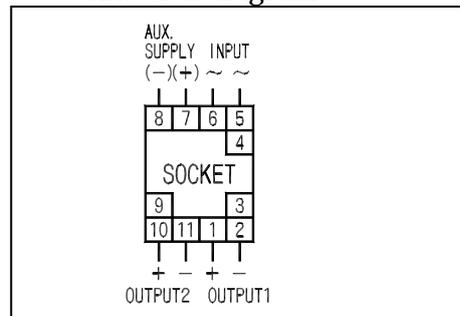
1. Constant voltage/current output.
2. Withstand voltage between input, output, auxiliary supply and outer case is AC2, 000V (50/60Hz), complete insulation for 1 min..
3. Withstand voltage between 1st output and 2nd output is AC1, 000V.
4. Impulse withstands voltage 5kV, 1.2/50μs (between electric circuit and outer case) positive/ negative polarity 3 times each is guaranteed.



WFTP2-31H51

(80 × 50 × 133mm/50

Connection diagram

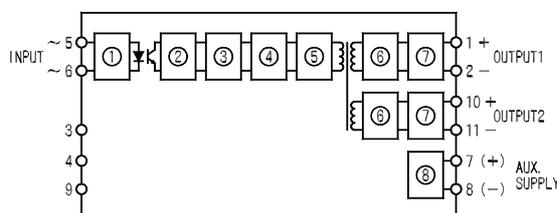


Specification

Input	Rating voltage	1st Output (load resistance)	2nd Output (load resistance)	Auxiliary supply	Common specification
1: 45-55Hz 2: 55-65Hz 3: 45-65Hz 0: other than those above	1: AC110V ±10% 2: AC220V ±10% 0: other than those above	1: DC0-100mV ( 200Ω) 2: DC0-1V ( 200Ω) 3: DC0-5V ( 1kΩ) 4: DC 0-10V ( 2kΩ) 5: DC1-5V ( 1kΩ) A: DC0-1mA ( 12kΩ) B: DC0-5mA ( 2.4kΩ) C: DC0-10mA ( 1.2kΩ) D: DC0-16mA ( 750Ω) E: DC1-5mA ( 2.4kΩ) F: DC4-20mA ( 600Ω) 0: other than those above	1: DC0-100mV ( 200Ω) 2: DC0-1V ( 200Ω) 3: DC0-5V ( 1kΩ) 4: DC 0-10V ( 2kΩ) 5: DC1-5V ( 1kΩ) A: DC0-1mA ( 7kΩ) B: DC0-5mA ( 1.4kΩ) C: DC0-10mA ( 700Ω) D: DC0-16mA ( 430Ω) E: DC1-5mA ( 1.4kΩ) F: DC4-20mA ( 350Ω) 0: other than those above	1: AC100V±10%, 50/60Hz 2: AC110V±10%, 50/60Hz 3: AC200V±10%, 50/60Hz 4: AC220V±10%, 50/60Hz 5: DC24V±10% 0: other than those above	Tolerance: ±0.5% Response time: 0.5sec./90% Consumption VA: Input 0.7VA (110V) 1.4V (220V) AC power source:3VA DC power source:3.5W Weight: AC power source:500g DC power source:400g
		H: DC4-20mA ( 800Ω) DC1-5V ( 250kΩ) With output switching function	5: DC1-5V ( 1kΩ)	1: AC100V+10%, -15%, 50/60Hz 2: AC110V+10%, -15%, 50/60Hz 3: AC200V+10%, -15%, 50/60Hz 4: AC220V+10%, -15%, 50/60Hz 5: DC24V+10%, -15%	

Open of current output: even if the current output terminal is used in a state of regular open, there is no problem. Also, a voltage of approx. 25V occurs on the output terminal.

Block diagram



- Input circuit
- Monostable detecting circuit
- Pulse conversion DC circuit
- Smoothing circuit
- Pulse width modulation circuit
- Pulse width demodulation circuit
- Output circuit
- Insulated power source circuit

Purchase specifications

