

AC CURRENT TRANSDUCER

WAETP2 - □□□□

CONSTANT VOLTAGE/CURRENT OUTPUT RMS VALUE TYPE

Use

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

Features

1. Constant voltage/current output.
2. Being a RMS type by adopting a hybrid IC, the device can be used for a distortion or a SCR waveform input.
3. Withstand voltage between input, output, auxiliary supply and outer case is AC2, 000V (50/60Hz), complete insulation for 1 min..
4. Withstand voltage between 1st output and 2nd output is AC1, 000V.
5. Impulse withstands voltage 5kV, 1.2/50μs (between electric circuit and outer case) positive/ negative polarity 3 times each is guaranteed.

Specification

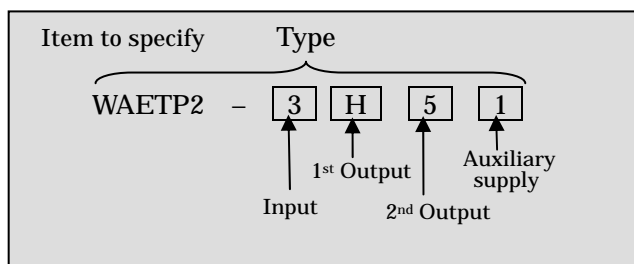
Input	1 st Output (load resistance)	2 nd Output (load resistance)	Auxiliary supply	Common specification
2: AC0-1A 3: AC0-5A 4: AC0-6A 0: other than those above UD-3 is equipped as a standard for input 1A and 5A.	1: DC0-100mV (200Ω) 2: DC0-1V (200Ω) 3: DC0-5V (1kΩ) 4: DC 0-10V (2kΩ) 5: DC1-5V (1kΩ) A: 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: 0.25sec./90% Consumption VA: Input: 0.1VA AC power source:3VA DC power source:3.5W Weight: AC power source:500g DC power source:400g
MAX 10A	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.

UD-3 Diode unit (Standard equipment only for rating 5A and 1A)

A diode unit for protecting primary CT when changing a current transducer in a hot line state. Because exchange time is diode protecting method, please try to make the exchange time as short as possible.

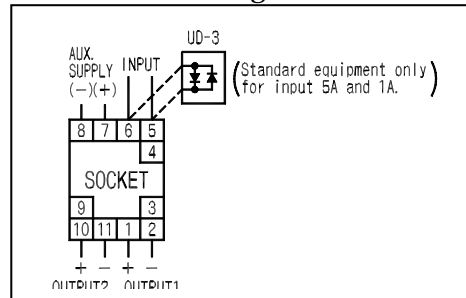
Purchase specifications



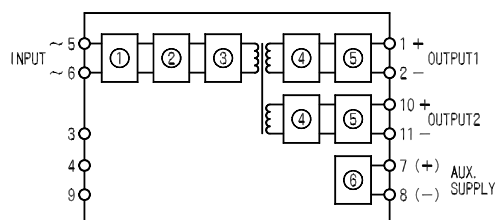
WAETP2-3H51
(80 × 50 × 133mm/500g)



Connection diagram



Block diagram



- Insulated current transformer
- RMS converter circuit
- Pulse width modulation circuit
- Pulse width demodulation circuit
- Output circuit
- Insulated power source circuit