

AC CURRENT TRANSDUCER

AP2 - □□

FIXED LOAD/MODERATE PRICE TYPE

WITH WAVEFORM COMPENSATION 3 rd HARMONICS 5%

Use

Converts AC current in an electric power system into a DC signal in proportion to input.



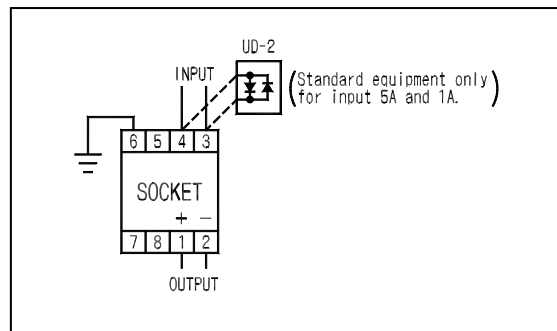
AP2-34

(108(w/UD-2) × 50 × 121mm/400g)

Features

1. Auxiliary supply free type.
2. Specified load resistance type.
3. Withstand voltage between input, output and outer case (earth) is AC2, 000V (50/60Hz), complete insulation for 1 minute.
4. Impulse withstands voltage 5kV, 1.2/50µs (between electric circuit and earth), and positive/ negative polarity 3 times each is guaranteed.
5. Electrostatic shield between primary and secondary protects output side equipments from a lightning surge or suchlike from input side.

Connection diagram



Specification

Input	Output (load resistance)	Common specification
1: AC0-100mA 2: AC0-1A 3: AC0-5A 4: AC0-6A 0: other than those above (rating frequency: 50/60Hz)	1: DC0-100mV (fixed at 50k) *1 2: DC0-1V (fixed at 50k) *1 3: DC0-5V (fixed at 50k) *1 4: DC0-1mA (fixed at 5k) *2 0: other than those above (but, MAX1mA,MAX5V)	Tolerance: ± 0.5% Consumption VA: Input: 1VA Weight: :400g Response time: 1sec/99%

*1 Please specify a load resistance more than or equal to 50kΩ for voltage output.

*2 Please specify a load resistance less than or equal to 5kΩ for current output.

It may lead to an output error if use the product with a load resistance other than specified ones. Also, a load resistance can be adjusted by an external VR if it is within ±5% of specification. There is the case that even an external VR cannot adjust a load resistance if it exceeds ±5%.

UD-2 Diode unit (Standard equipment only for rating 5A and 1A)

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

Purchase specifications

