Dual Output CT Converter

WSP-CTAW/CTEW

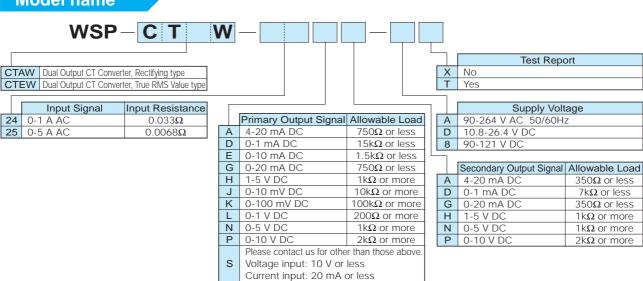


This compact plug-in signal converter with two insulated outputs converts the secondary outputs of CTs in power substations, motor circuits, etc. into DC signals. Since Type CTEW adopts the true root-mean-square value operation system, it ensures particularly high reliability against distorted waves.

Features

- Dielectric strength of 2000 V AC between input, output, and power source
- This compact and tightly mountable isolator allows the user to downsize the system.
- Both AC flexible power supply and DC power supply are available.
- Accuracy: ±0.2%, Response time: 500 ms
- Shortened time of completion and high serviceability thanks to plug-in design

Model name



Specifications

Accuracy: ±0.2%fs (at 23°C)

Response time: 500 ms (time required to reach 90% of final value)
Excessive Input: 120% consecutive, 200% for 10 seconds,

1000% for 3 seconds

Allowable load: Voltage output: load current 5 mA or less

For less than 1 Vfs of output, the current is

1µA or less.

Current output: 15 V or less of voltage drop

between primary output terminals

7 V or less of voltage drop between second-

ary output terminals

Zero & span adjustment: ±5%fs (1-turn trimmer)
Output ripple: 0.25% (p-p) fs or less
Input condition: Rated frequency 20-500 Hz
Operating temperature and humidity: (without condensation)

Influence of ambient temperature: ±0.15%fs/10°C

Isolation: Between input, primary output, secondary

output, and power source

Insulation resistance: $100 \text{ M}\Omega$ or more with a 500 V DC megger

Between input, primary output, secondary

output, and power source th: 2000 V AC for 1 minute

Dielectric strength: 2000 V AC for 1 minute

Between input, primary output, secondary

output, and power source

Power consumption: Approx. 4.5 VA (AC), approx. 100 mA (24 V DC) Influence of source voltage: ±0.1% is in the range of rated voltage

Dimensions: 100(H)x29.5(W)x106.5(D)mm

Weight: Approx. 150g

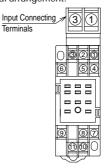
Structure: Plug-in (consisting of main unit and socket part)
Connection part: M3 SEMS screw part of the base socket

Material of terminal screw: Chromated iron

Case color and material: Ivory, heat-resistant ABS resin (94V-0)

Mounting: DIN rail or wall surface
Dimensions: Refer to Dimensional Drawing V

Terminal arrangement:



No.	Symbol		Description
1	INPUT	~	Input Signal
2	No.2 OUTPUT	+	Secondary Output Signal
3	INPUT	~	Input Signal
4	NC		No Connection
5	No.2 OUTPUT	-	Secondary Output Signal
6	NC		No Connection
7	No.1 OUTPUT	+	Primary Output Signal
8	NC		No Connection
9	No.1 OUTPUT	-	Primary Output Signal
10	POWER	U(+)	Power Supply
11	POWER	V(-)	