



This plug-in type converter (isolator) provides signal output which is mutually isolated between input, output and power-supply. It amplifies and converts various kinds of signal with isolation to use in the integrated instrumental control system. It is highly effective as noise countermeasures.

Features

- ★ High-speed Response time 500 μ s
- ★ Fine zero & span adjustment by 25 turn trimmer
- ★ Dielectric strength 1500Vac
- ★ Easy maintenance by plug-in structure

Ordering code

WVP- **DCE** - -

Code	Model
DCE	Response time 500 μ s Dielectric strength : 1500Vac

Code	Input	Input Resistance
10	0 to 10mVdc	1M Ω
11	0 to 100mVdc	1M Ω
12	0 to 1Vdc	1M Ω
13	0 to 5Vdc	1M Ω
14	1 to 5Vdc	1M Ω
15	0 to 10Vdc	1M Ω
16	0 to 50mVdc	1M Ω
17	0 to 60mVdc	1M Ω
20	\pm 10mVdc	1M Ω
21	\pm 50mVdc	1M Ω
22	\pm 100mVdc	1M Ω
23	\pm 1Vdc	1M Ω
24	\pm 5Vdc	1M Ω
25	\pm 10Vdc	1M Ω
30	0 to 10 μ Adc	1k Ω
31	0 to 100 μ Adc	100 Ω
32	0 to 1mAdc	100 Ω
33	0 to 10mAdc	50 Ω
34	0 to 16mAdc	50 Ω
35	0 to 20mAdc	50 Ω
36	4 to 20mAdc	50 Ω
40	\pm 1mAdc	100 Ω
41	\pm 20mAdc	50 Ω

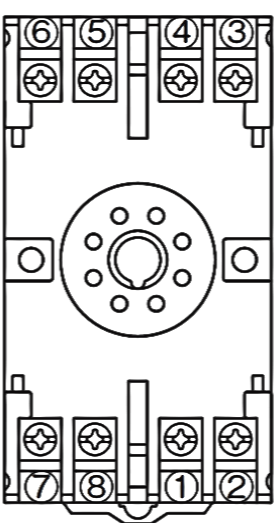
Code	Power Supply
1	100Vac \pm 10% 50/60Hz
2	200Vac \pm 10% 50/60Hz
3	24Vdc \pm 10%
4	110Vac \pm 10% 50/60Hz
5	220Vdc \pm 10% 50/60Hz
8	110Vdc \pm 10%

Code	Output	Allowable Load
A	4 to 20mAdc	750 Ω or less
B	1 to 5mAdc	3k Ω or less
C	2 to 10mAdc	1.5k Ω or less
D	0 to 1mAdc	15k Ω or less
E	0 to 10mAdc	1.5k Ω or less
F	0 to 16mAdc	937 Ω or less
G	0 to 20mAdc	750 Ω or less
H	1 to 5Vdc	2.5k Ω or more
J	0 to 10mVdc	10k Ω or more
K	0 to 100mVdc	100k Ω or more
L	0 to 1Vdc	500 Ω or more
N	0 to 5Vdc	2.5k Ω or more
P	0 to 10Vdc	5k Ω or more
R	\pm 10Vdc	5k Ω or more

Specifications

Accuracy	\pm 0.1% FS (at 23°C)
Response time	Approx. 500 μ s (0 to 90%)
Allowable load resistance	Current output 15V or less of voltage drop between output Voltage output Load current 2mA or less For 1V FS or less of output the current is 1 μ A or less
Zero & span adjustment	\pm 20% FS (25 turn trimmer)
Operating temperature	-5 to +55°C
Storage temperature	-10 to +60°C
Operating relative humidity	90% or less (non-condensing)
Temperature coefficient	\pm 0.015% FS of span per °C
Isolation	Between input, output, and power supply
Insulation resistance	100M Ω or more with a 500Vdc megger Between input, output, and power supply terminal
Dielectric strength	3000Vac for 1 minute between power supply and input/output terminal, 2000Vac for 1 minute between input and output terminal
Power consumption	Approx. 3.6VA (AC), Approx. 60mA (DC)
Dimensions	97(H) X 51(W) X 126(D)mm
Weight	Approx. 210g
Structure	Plug-in
Connection	M3.5 SEMS screw part of the base socket (Tightening torque 0.8N·m)
Material of terminal screw	Chromated iron
Mounting	DIN rail or wall surface
Case color and material	Ivory, ABS resin, flame retardant grade UL94V-0
EMC directive	EN61326-1, EN61010-1, EN50581Installation category : II, Pollution degree : 2
Rated altitude	2000m or less

Terminal connections



No	Signal	Description
1	OUTPUT(+)	Output
2	OUTPUT(-)	
3	INPUT(+)	Input
4	INPUT(-)	
5	NC	No connection
6	NC	
7	POWER U(+)	Power Supply
8	POWER V(-)	

* Specification is subject to change without notice