



This compact plug-in signal converter (distributor) with output supplies 24Vdc to the 2-wire transmitter through signal lines and converts the signals (4 to 20 mAdc) to the DC voltage or current output.

Features

- ★ 2 output
- ★ Both AC and DC power supply are available
- ★ Accuracy at 0.1% FS, Response time 25ms
- ★ Easy maintenance by plug-in structure
- ★ CE approved

Ordering code

WSP- **DB** - **A** - **□** **□**

Code	Power Supply
A	100~240V AC ±10% 50/60Hz
D	24V DC ±10%
8	100~120V DC ±10%

Code	Transmitter Voltage
A	24V DC ±1 Max approx. 25mA

Code	Test Report
X	None
T	With Test report

Code	Output	
	7~9 terminal	2~5 terminal
A	1~5V DC	1~5V DC
B	4~20mA DC	4~20mA DC
C	1~5V DC	4~20mA DC

Specifications

Input Signal	4-20mAdc (Transmitter signal)
Accuracy	±0.1% FS (at 23°C)
Response time	Approx. 25ms (0 to 90%)
Allowable load resistance	Depends on the specification of transmitter
Transmitter power supply	24Vdc ±1V, max approx. 25mA
Influence of load variation	Variation of output voltage is 2% or less
Operating temperature	-5 to +55°C
Operating relative humidity	90% or less (non-condensing)
Insulation resistance	100MΩ or more with a 500Vdc megger Between input, output, and power supply terminal
Dielectric strength	2000Vac for 1 minute
Power consumption	Approx. 5VA (AC), Approx. 80mA (24Vdc)
Dimensions	84(H) X 29.5(W) X 106.5(D)mm
Weight	Approx. 150g
Structure	Plug-in
Connection	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)
Applicable Directive	EN61326-1, EN61010-1, EN IEC 63000 Installation category : II, Pollution degree : 2
Mounting	DIN rail or wall surface

Terminal connections

No	Signal	Description
1	TRANSMITTER(+)	Transmitter
2	OUTPUT-2 (+)	No.2 Output
3	TRANSMITTER(-)	Transmitter
4	NC	(Adjusting terminal) *
5	OUTPUT-2 (-)	No.2 Output
6	NC	No connection
7	OUTPUT-1 (+)	No.1 Output
8	NC	No connection
9	OUTPUT-1 (-)	No.1 Output
10	POWER U(+)	Power Supply
11	POWER V(-)	

* When transmitter supplies power from other ones, the 4th terminal can be used to supply the signal input (4 to 20mAdc) to this converter.

* Specification is subject to change without notice