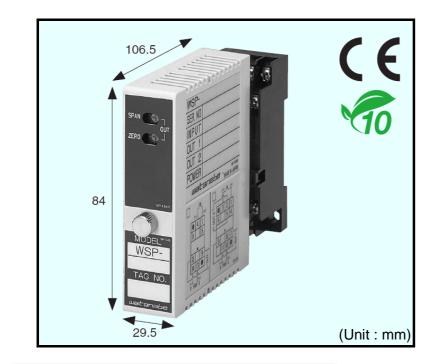
Distributor (Current Loop Supply) (Non-Isolated)

WSP-DB



Ordering code

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

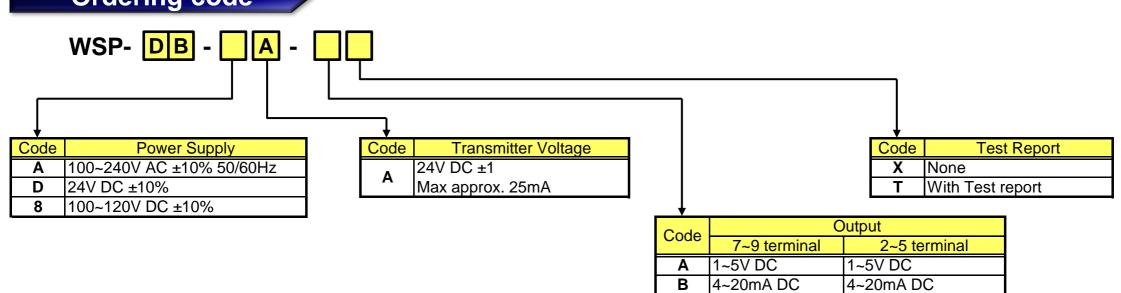
★ 2 output

- ★ Both AC and DC power supply are available
- ★ Accuracy at 0.1% FS, Response time 25ms

С

1~5V DC

- ★ Easy maintenance by plug-in structure
- ★ CE approved



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

4~20mA DC

	No	Signal	Description
	1	TRANSMITTER(+)	Transmitter
6 54	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
987	9	OUTPUT-1 (-)	No.1 Output
660	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

Watanabe Electric Industry Co. Ltd.

https://www.watanabe-electric.co.jp/en/