Dual-output Distributor (Current Loop Supply) **WSP-DBZW**



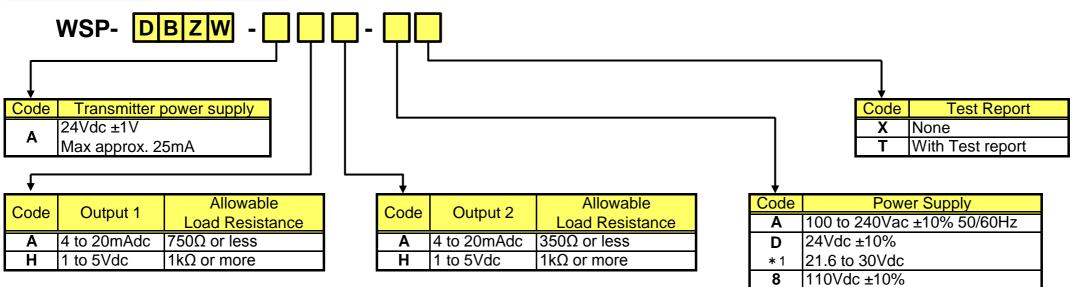
The plug-in distributor (Current loop supply) provides isolated 2 signal outputs, which can be used in combination with a transmitter.

It supplies DC power to a field transmitter, and converts 4-20mA signal transmitted to the suitable signal for input of monitoring and control equipment.

Features

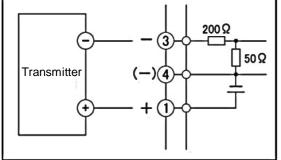
- ★ Fine Zero & span adjustment by 15 turn trimmer
- ★ Zero & span adjustment ±10% full scale
- ★ Safe design by dielectric strength of 3000Vac
- \star 5 years warranty, long life
- ★ CE approved
- ★ Can be used as Dual-output Isolator

Ordering code



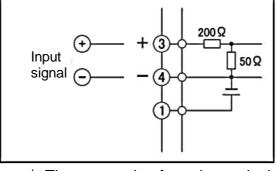
<Precautions for wiring>

Please note that when using as isolator, or when transmitter power supplies from the other, the terminal connection changes as below diagram.



★ Normal connection of distibuter

Specifications



★ The connection for using as isolator or when transmitter power supplies from the other

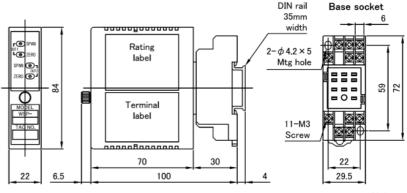
- 110Vdc ±10%
- ***1···**CE approval do not adapt when power supply is 21.6Vdc to 30Vdc.

Accuracy ±0.11% FS (at 23°C) Accuracy ±0.1% FS (at 23°C) Response time Approx. 25ms (0 to 90%) Allowable load Current output First output : 15V or less of voltage drop between output Second output : 7V or less of voltage drop between output Load current 5mA or less Zero & span adjustment ±10% FS (15 turn trimmer) Transmitter power supply 24Vdc ±1V, max approx. 25mA Operating temperature -5 to +55°C Operating relative humidity 90% or less (Non-condensing) Temperature coefficient ±0.015% FS of span per °C Isolation Between input, output, and power supply Insulation resistance 100MΩ or more with 500Vdc megger Between input, output, and power supply terminal 3000Vac for 1 minute between power supply and input/output terminal, 2000Vac for 1 minute between input and output terminal Dielectric strength 3000Vac for 1 minute between input and output terminal Structure Plug-in (Body part and socket part) Connection M3 SEMS screw part of the base socket (Tightening torque 0.6N-m) Mounting DiN rail or wall surface Case color and material Nory, ABS resin, flame retardant grade UL94V-0 EMC directive EN61326-1, EN61010-1, EN IEC	Input Signal	4-20mAdc (Transmitter signal)			
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Installation category : II, Pollution degree : 2					
	EMC directive				
Rated altitude 2000m or less		Installation category : II, Pollution degree : 2			
	Rated altitude	2000m or less			

Terminal connections

	No	Symbol		Description
	1	TRANSMITTER	+	Transmitter
6 54	2	OUTPUT-2	+	No.2 Output
	3	TRANSMITTER	-	Transmitter
	4	COM	-	(Adjusting terminal)
	5	OUTPUT-2	-	No.2 Output
	6	NC		No connection
	7	OUTPUT-1	+	No.1 Output
	8	NC		No connection
9 87	9	OUTPUT-1	-	No.1 Output
	10 11	POWER	U(+) V(-)	Power Supply

Demensions



Unit:mm

* Specification is subject to change without notice

Watanabe Electric Industry Co. Ltd.