Dual-output High-speed Response Isolator

Features

 \star High-speed response time 120µs

 \star 5 years warranty, long life

★ CE approved

★ Fine zero & span adjustment by 15 turn trimmer

★ Safe design by dielectric strength of 3000Vac
 ★ Compatible with 30Vdc power supply voltage

★ Zero & span adjustment ±10% full scale

WSP-DEW



Ordering code

W	SP- DEW	
Code	Input	Input Resistance
10	0 to 10mVdc	1ΜΩ
11	0 to 100mVdc	1ΜΩ
12	0 to 1Vdc	1MΩ
13	0 to 5Vdc	1ΜΩ
14	1 to 5Vdc	1ΜΩ
15	0 to 10Vdc	1ΜΩ
17	0 to 60mVdc	1ΜΩ
24	±5Vdc	1ΜΩ
25	±10Vdc	1ΜΩ
30	0 to 10µAdc	1kΩ
31	0 to 100µAdc	100Ω
32	0 to 1mAdc	100Ω
33	0 to 10mAdc	50Ω
35	0 to 20mAdc	50Ω
36	4 to 20mAdc	50Ω
40	±1mAdc	100Ω
41	±20mAdc	50Ω
99 * 1	-	than the above mA, Span : 10μA to 20mA 0V, Span : 10mV to 300V

Code	Output 1	Allowable Load	
		Resistance	
Α	4 to 20mAdc	750Ω or less	
В	1 to 5mAdc	3kΩ or less	
D	0 to 1mAdc	15kΩ or less	
E	0 to 10mAdc	1.5kΩ or less	
G	0 to 20mAdc	750Ω or less	
Н	1 to 5Vdc	1kΩ or more	
J	0 to 10mVdc	10kΩ or more	
K	0 to 100mVdc	100kΩ or more	
L	0 to 1Vdc	1kΩ or more	
N	0 to 5Vdc	1kΩ or more	
Р	0 to 10Vdc	2kΩ or more	
R	±10Vdc	2kΩ or more	
S	Contact us for other than the above		
3 *1	Current output 20mA or less		
*1	Voltage output 10V or less		

		Ţ			
		Code Test Report			
		X None			
		T With Test report			
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Cod	е	Power Supply			
Α		100 to 240Vac ±10% 50/60Hz			
D		24Vdc ±10%			
*2		10.8 to 30Vdc			
8		110Vdc ±10%			

Code	Output 2	Allowable Load Resistance	
Α	4 to 20mAdc	550Ω or less	
D	0 to 1mAdc	11kΩ or less	
G	0 to 20mAdc	550Ω or less	
н	1 to 5Vdc	1kΩ or more	
L	0 to 1Vdc	1kΩ or more	
Ν	0 to 5Vdc 1kΩ or more		
Р	0 to 10Vdc	2kΩ or more	
R	±10Vdc	2kΩ or more	
s	Contact us for other than the above		
3 *1	Current output 20mA or less		
* 1	Voltage output 10V or less		

*1···CE approval do not adapt input range code 99 and output range code S.

This compact plug-in, high-speed response type converter (isolator) provides

instrumental control system. It is highly effective as noise countermeasures.

2 signal outputs which are mutually isolated between input, output and power-supply. It amplifies and converts various kinds of signal with isolation to use in the integrated

*** 2···**CE approval do not adapt when power supply is 10.8Vdc to 30Vdc.

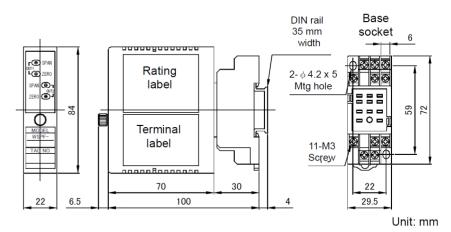
Specifications

Input signal	DC current / voltage		
Output signal	DC current / voltage DC current / voltage (2 output)		
Accuracy	$\pm 0.1\%$ FS (at 23°C)		
Response time			
-	Approx. 120µs (0 to 90%)		
Frequency response Allowable load	Approx. 3.3kHz or more (Sine wave input : -3dB)		
Allowable load	Current output		
	Output 1 : 15V or less of voltage drop between output		
	Output 2 : 7V or less of voltage drop between output		
	Voltage output		
	Load current 5mA or less		
	*1µA or less if the output is less than 1V FS		
Zero & span adjustment ±10% FS (15 turn trimmer)			
Operating temperature range	-5 to +55°C		
Operating relative humidity	90% or less (Non-condensing)		
Storage temperature range	-10 to +60°C		
Temperature coefficient	±0.015% FS of span per °C		
Isolation	Between input, output, and power supply		
Insulation resistance	100M Ω or more with 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. 4.5VA (AC), Approx. 100mA (DC)		
Power supply variation	±0.1% FS (within the range of rated voltage)		
Dimensions	84(H) X 29.5(W) X 106.5(D)mm		
Weight	Approx. 150g		
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	Ivory, ABS resin, flame retardant grade UL94V-0		
EMC directive	EN61326-1, EN61010-1, EN IEC 63000		
	Installation category : II, Pollution degree : 2		
Rated altitude	2000m or less		

Terminal connections

	No	Symbol		Description
$\bigcirc 321$	1	INPUT	+	Input
6 54	2	No.2 OUTPUT	+	No.2 Output
	3	INPUT	-	Input
	4	NC		No connection
법으므리	5	No.2 OUTPUT	-	No.2 Output
	6	NC		No connection
	7	No.1 OUTPUT	+	No.1 Output
	8	NC		No connection
	9	No.1 OUTPUT	-	No.1 Output
	10 11	POWER	U(+) V(-)	Power Supply

Demensions



* Specification is subject to change without notice

Watanabe Electric Industry Co. Ltd.