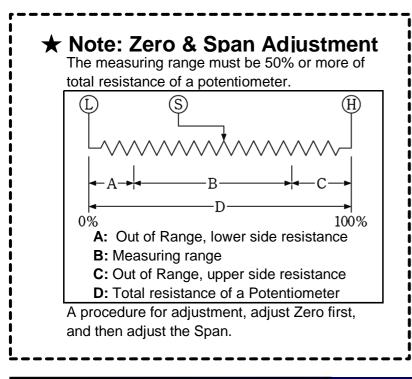
Potentiometer Converter

WSP-MS



Ordering code

		WSP- M	S -		
			- $-$	Τ	
				L	
\mathbf{F}				_	
Code	Input	Span Ad.	Zero Ad.		
Code	(Total Resistance)	Range	Range		
30	50 to 500Ω FS	50 to 100% FS	50 to 50% FS		
31	501 to 10kΩ FS	±20% FS	±20% FS		
19	0 to 343Ω	(FS = 343Ω)	$(FS = 343\Omega)$		
	(1kΩ FS)	(1.3 - 34322)	(1.3 - 34322)		
99	Contact us for other than the above				
* 1					



Code	Output	Allowable Load	
Code		Resistance	
Α	4 to 20mAdc	750Ω or less	
В	1 to 5mAdc	3kΩ or less	
D	0 to 1mAdc	15kΩ or less	
Е	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	200Ω or more	
N	0 to 5Vdc	1kΩ or more	
Р	0 to 10Vdc	2kΩ or more	
R	±10Vdc 2kΩ or more		
<u> </u>	Contact us for	other than the above	
S	Current output 20mA or less		
*1	Voltage output 10V or less		

and provides DC voltage or current.

★ Safe design by dielectric strength of 3000Vac

★ Burnout protection circuit as standard equipment

Features

★ CE approved

 \star 5 years warranty, long life

		Code Test Report		
	X		None	
		Т	With Test report	
↓				
Code	Power Supply			
Α	100 to 240Vac ±10% 50/60Hz			
D	24Vdc ±10%			
*2	10.8 to 30Vdc			
8	110)Vdc ±1	0%	

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

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This compact plug-in signal converter connects with 3-wire type potentiometer,

★ Zero & span adjustment ±10% full scale (Fine adjustment by 25 turn trimmer)

This converter has Isolator built-in and a burnout protection circuit as standard equipment

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

Specifications

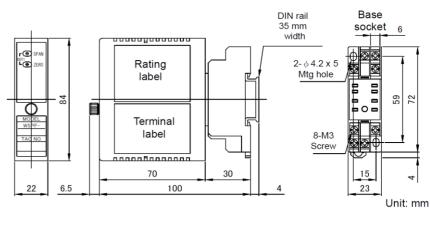
2 wire type potenciemeter

Terminal connections

Input signal		
Accuracy	±0.1% FS (at 23°C)	
Response time	Approx. 25ms (0 to 90%)	
Allowable load	Current output	
	15V 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	
Span adjustment	50 to 100% of rated input (25 turn trimmer)	
	(±20% for input 19)	
Zero adjustment	0 to 50% of span (25 turn trimmer) (±20% for input 19)	
Operating temperature	-5 to +55°C	
Operating relative humidity	90% or less (Non-condensing)	
Temperature coefficient	±0.015% FS of span per °C	
Burnout protection Upscale / downscale *Please specify when you order for d		
Isolation	Between input, output, and power supply	
Insulation resistance	100MΩ or more with 500Vdc megger	
	Between input, output, and power supply terminal	
Dielectric strength	2000Vac for 1 minute	
Power consumption	Approx. 4.4VA (AC), Approx. 64mA (DC)	
Power supply variation	±0.1% FS (within the range of rated voltage)	
Dimensions	84(H) X 23(W) X 106.5(D)mm	
Weight	Approx. 130g	
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, EN50581	
	Installation category : II. Pollution degree : 2	
Rated altitude	2000m or less	

	No Symbol			Description	
4	1		HIGH		
5	4	INPUT	SLIDE	Input	
4	5		LOW	-	
Ι	8	NC		No connection	
	9	OUTPUT-1	+	Output	
	12	001201-1	-	Output	
	13	POWER	U(+)	Dowor Supply	
	14	FOWER	V(-)	Power Supply	

Demensions



* Specification is subject to change without notice

Watanabe Electric Industry Co., Ltd.