

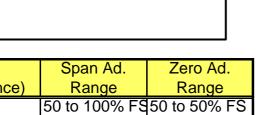
This compact plug-in signal converter connects with 3-wire type potentiometer, and provides DC voltage or current.

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

Features

- ★ Zero & span adjustment ±10% full scale (Fine adjustment by 25 turn trimmer)
- ★ Safe design by dielectric strength of 3000Vac
- ★ 5 years warranty, long life
- ★ CE approved
- ★ Burnout protection circuit as standard equipment

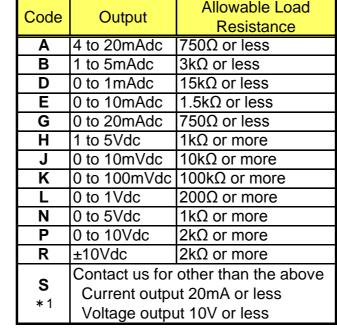
Ordering code



MS

Input Code (Total Resistance) 3 3 1

	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 (1kΩ FS)	(FS = 343Ω)	$\pm 20\%$ FS (FS = 343Ω)				
99 k 1	Contact us for other than the above						
★ Note: Zero & Span Adjustment The measuring range must be 50% or more of							



Power Supply Code 100 to 240Vac ±10% 50/60Hz 24Vdc ±10% 10.8 to 30Vdc 110Vdc ±10%

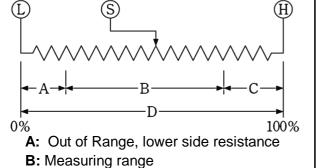
None

With Test report

Test Report

Code

total resistance of a potentiometer.



- C: Out of Range, upper side resistance D: Total resistance of a Potentiometer

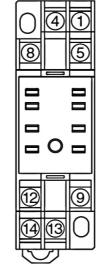
A procedure for adjustment, adjust Zero first, and then adjust the Span.

- *1···CE approval do not adapt input range code 99 and output range code S.
- *2···CE approval do not adapt when power supply is 10.8Vdc to 30Vdc.

Specifications

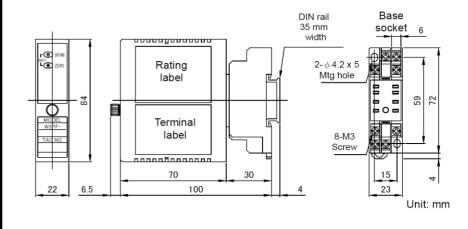
Input signal	3-wire type potensiometer	
Accuracy	±0.1% FS (at 23°C)	
Response time	Approx. 25ms (0 to 90%)	
Allowable load	Current output	
	15V or less of voltage drop between output	
	Voltage output	
	Load current 5mA or less	
	*1µA or less if the output is less than 1V FS	
Span adjustment	50 to 100% 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 downscale	
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, EN IEC 63000	
	Installation category: II, Pollution degree: 2	
Rated altitude	2000m or less	

Terminal connections



No	Symbol		Description
1		HIGH	
4	INPUT	SLIDE	Input
5		LOW	
8	NC		No connection
9	OUTPUT-1	+	Output
12	001701-1	-	
13	POWER	U(+)	Power Supply
14	FOWER	V(-)	

Demensions



* Specification is subject to change without notice