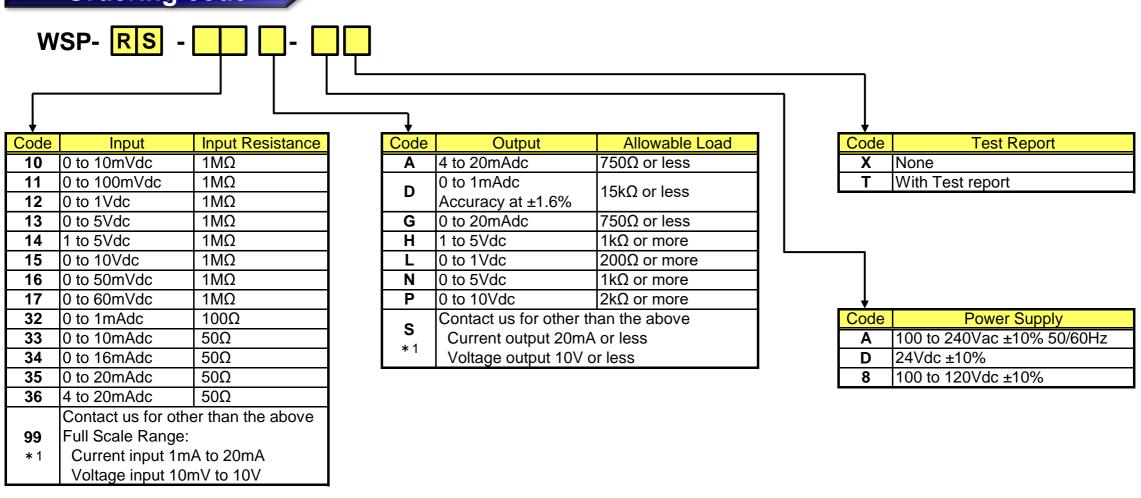


This compact plug-in signal converter accepts signal with square-law characteristics and provides optically isolated signal output, corresponding to the square root. It amplifies and converts the selected DC input to the selected DC output. It can use for extraction of square root of differential pressure type / open-channel flowmeter (linearization).

Features

- ★ Dielectric strength of 2000Vac between input, output and power supply
- ★ Both AC and DC power supply are available
- ★ Accuracy at 0.1% FS, Response time 100ms
- ★ Easy maintenance by plug-in structure
- ★ CE approved

Ordering code

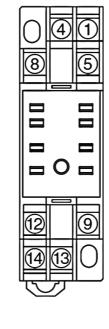


*1···CE approval do not adapt input range code 99 and output range code S.

Specifications

Accuracy	±0.1% FS (at 23°C)	
, toodings	* Accuracy differs on Code '99' and 'S', depending	
	on the range.	
	* Out of warranty when the input is 1% or less.	
Response time	Approx. 100ms (0 to 90%)	
Allowable load resistance	Current output	
7 tilo Wabio Toda Tooletanoo	15V or less of voltage drop	
	between output terminal	
	Voltage output	
	Load current 2mA or less	
	For 1V FS or less of output the current is	
	1mA or less	
Zero & span adjustment	±10% FS (1 turn trimmer)	
Output shutdown function	A function to output 0 forcibly, when the output is	
	below 10% of rated value.	
	Default: 10% (Able to change 0 to 20% when order)	
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 a 500Vdc megger	
	Between input, output, and power supply terminal	
Dielectric strength	2000Vac for 1 minute	
Power consumption	For code 'A': Approx. 5.5VA (100 to 240Vac ±10%)	
	For code 'A' : Approx. 100mA (24Vdc ±10%)	
	For code '8': Approx. 25mA (100 to 120Vdc ±10%)	
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. 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



No	Signal	Description	
1	INPUT(+)	Input	
4	INPUT(-)	Input	
5	NC	No connection	
8	NC	No connection	
9	OUTPUT(+)	Output	
12	OUTPUT(-)		
13	POWER U(+)	Power Supply	
14	POWER V(-)	Power Supply	

^{*} Specification is subject to change without notice