

50 (W) x 96 (H) x 125.5 (D) mm Approx. 400 g

This plug-in signal converter receives two analog signals, and automatically selects the higher or the lower of the two for output.

Features

- Reliable design that is hardly affected by signal source resistance and receiving resistance
- Type SHS have their input and output isolated from each other, with a dielectric strength of 2000 VAC.
- High-speed response, with a 25 msec response time
- Plug-in design to facilitate system installation and maintenance.

Major Applications

- Extraction of furnace wall protection signal through measurement of furnace temperature
- Selection of pressure and flow control signals for protection of compressors

Model WVP - - -

SHS Selector (Isolated)
Response time : 25ms

Power Supply	
1	AC 100 V \pm 10%, 50/60 Hz
2	AC 200 V \pm 10%, 50/60 Hz
3	DC 24 V \pm 10%
4	AC 110 V \pm 10%, 50/60 Hz
5	AC 220 V \pm 10%, 50/60 Hz

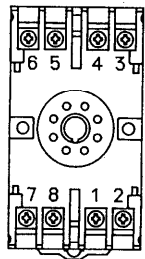
Input Signal		
		Input Resistance
13	DC 0-5 V	1 M Ω
14	DC 1-5 V	1 M Ω
15	DC 0-10 V	1 M Ω
35	DC 0-20 mA	50 Ω
36	DC 4-20 mA	50 Ω
99	Other than the above (Please consult with us.): Over 10 mV·fs up to 300 V·fs Over 10 μ A·fs up to 20 mA·fs	

Output Signal		
		Allowable Load Resistance
A	DC 4-20 mA	750 Ω or less
B	DC 1-5 mA	3 K Ω or less
C	DC 2-10 mA	1.5 K Ω or less
D	DC 0-1 mA	15 K Ω or less
E	DC 0-10 mA	1.5 K Ω or less
F	DC 0-16 mA	937 Ω or less
G	DC 0-20 mA	750 Ω or less
H	DC 1-5 V	2.5 K Ω or more
J	DC 0-10 mV	10 K Ω or more
K	DC 0-100 mV	100 K Ω or more
L	DC 0-1 V	500 Ω or more
N	DC 0-5 V	2.5 K Ω or more
P	DC 0-10 V	5 K Ω or more
R	DC \pm 10 V	5 K Ω or more
S	Other than the above (Please consult with us.): Voltage output 10 V or less Current output 20 mA or less	

Specifications

Input signal:	DC voltage, DC current
Output signal:	DC voltage, DC current
Number of input signals:	2
Number of output signals:	1
Accuracy:	$\pm 0.1\% \cdot fs$ (at 23°C)
Allowable load resistance:	For voltage output, use the unit with a load current of 2 mA or less (1 μ A or less for an output below 1 V $\cdot fs$). For current output, use the unit with a voltage drop of 15 V or less between output terminals.
Operating temperature and humidity:	-5 to +55°C, 90% RH or less (without condensation)
Influence of ambient temperature:	$\pm 0.2\% \cdot fs/10^\circ C$
Insulation resistance:	100 M Ω or more with a 500 VDC megger between the input/output terminal and power supply terminal, without isolation between the two inputs, and between the input and output terminals (isolated type)
Dielectric strength:	2,000 VAC for 1 minute between the input and output terminals (isolated type), and between the input/output terminal and power supply terminal
Power consumption:	Approx. 4 VA (AC), approx. 120 mA (DC)
Zero & span adjustment:	$\pm 20\% \cdot fs$ each (multi-turn trimmer)

Explanation of Terminals



No.	Symbol	Description
1	OUTPUT	+
2		-
3	INPUT (A)	+
4		-
5	INPUT (B)	+
6		-
7	POWER	U (+)
8		V (-)