

This unit is a converter that inputs two analog signals and automatically selects the higher or lower of them and outputs it.
For example, it can be used to extract the furnace wall protection signal by measuring the temperature inside the furnace, and to select the pressure/flow control signal for compressor protection.

Features

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

Ordering code

WSP- - - - -

Code	Series
SHS	High Selector
SLS	Low Selector

Code	Input	Input Resistance
10	0~10mVDC	1MΩ
11	0~100mVDC	1MΩ
12	0~1VDC	1MΩ
13	0~5VDC	1MΩ
14	1~5VDC	1MΩ
15	0~10VDC	1MΩ
16	0~50mVDC	1MΩ
17	0~60mVDC	1MΩ
32	0~1mADC	50Ω
33	0~10mADC	50Ω
34	0~16mADC	50Ω
35	0~20mADC	50Ω
36	4~20mADC	50Ω
99	Contact us for other than the above Current input : ±20mA, span 1~40mA Voltage input : ±10V, span 10mV~20V	

Code	Output	Allowable Load
A	4~20mADC	750Ω or less
D	0~1mADC	15kΩ or less
G	0~20mADC	750Ω or less
H	1~5VDC	2.5kΩ or more
L	0~1VDC	500Ω or more
N	0~5VDC	2.5kΩ or more
P	0~10VDC	10kΩ or more
S	Contact us for other than the above Current output 20mA or less Voltage output 10V or less	

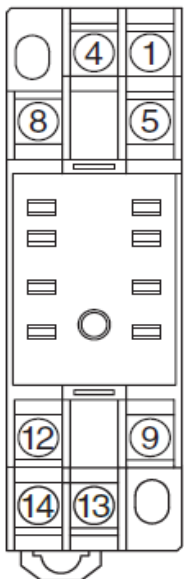
Code	Test Report
X	None
T	With Test report

Code	Power Supply
A	100 to 240VAC ±10% 50/60Hz
D	24VDC ±10%
8	100~120VDC ±10%

Specifications

Accuracy	±0.2% FS (at 23°C)
Input	DC current/voltage (2 ch input)
Output	DC current/voltage
Accuracy	±0.1% FS (at 23°C) *Code 99 & S depends on the span. *±1.6% FS for Output code D
Response time	Approx. 100ms (0 to 90%)
Allowable load resistance	Current output 15V or less of voltage drop Voltage output Load current 2mA or less For 1V FS or less of output the current is 1μA or less
Zero & span adjustment	±10% FS (Front Switch)
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	Approx. 5.5VA (AC), Approx. 100mA (24VDC), Approx. 25mA (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. 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)
Mounting	DIN rail or wall surface

Terminal connections



No	Signal	Description
1	INPUT-1(+)	Input-1
4	Input-1, 2(-)	Input-1, 2
5	INPUT-2(+)	Input-2
8	NC	No connection
9	Output(+)	Output
12	Output(-)	
13	POWER U(+)	Power Supply
14	POWER V(-)	

* Specification is subject to change without notice