



This converter inputs DC signal and outputs 2 points relay contact signals or open-collector signals if the DC signal input value exceeds the preset value (one point). Parameter change and input values can be monitored on the front LCD panel.

## Features

- ★ Checking input real quantity value in the real quantity value check mode
- ★ Alarm activation direction and parameters can be changed arbitrarily
- ★ Both AC and DC power supply are available
- ★ Long -life design
- ★ Easy maintenance by plug-in structure
- ★ CE approved

## Ordering code

WAP- **NHL** -  -  -

Code	Input	Input Resistance
10	0 to 10mVdc	1MΩ
11	0 to 100mVdc	1MΩ
12	0 to 1Vdc	1MΩ
13	0 to 5Vdc	1MΩ
14	1 to 5Vdc	1MΩ
15	0 to 10Vdc	1MΩ
16	0 to 50mVdc	1MΩ
17	0 to 60mVdc	1MΩ
24	±5Vdc	1MΩ
25	±10Vdc	1MΩ
31	0 to 100μAdc	1kΩ
32	0 to 1mA dc	100Ω
33	0 to 10mA dc	50Ω
34	0 to 16mA dc	50Ω
35	0 to 20mA dc	50Ω
36	4 to 20mA dc	50Ω
99 * 1	Contact us for other than the above Full Scale Range: Current output ±20mA (Span 1mA to 40mA) Voltage output ±10V (Span 10mV to 20V)	

Code	Power Supply
A	100 to 240Vac ±10% 50/60Hz
D	24Vdc ±10%
8	100 to 120Vdc ±10%

Code	Test Report
X	None
T	With Test report

Code	Output Operation
A	2 setpoint, Relay H, H operation
B	2 setpoint, Relay H, L operation
D	2 setpoint, Relay L, L operation
F	2 setpoint, Relay L, H operation
G	2 setpoint, Open collector H, H operation
H	2 setpoint, Open collector H, L operation
I	2 setpoint, Open collector L, L operation
J	2 setpoint, Open collector L, H operation

\* 1...CE approval do not adapt input range code 99.

## Specifications

Accuracy	±0.1% of span (at 23°C)	
Response time	Approx. 50ms	
Comparison scheme	Analog comparison scheme	
Number of setpoint	2 setpoint	
Setting	By LCD display operation	
Relay capacity	250Vac 5A, 30Vdc 5A Minimum applicable load : 5V 10mA Electrical life : 100,000 times or more Mechanical life : 50,000,000 times or more	
Open collector output	30Vdc 50mA, ON Voltage 1.2V or less	
Operation display	Normal operation : Yellow display on LCD Alarm : Red display on LCD	
Power failure	Data preservation by internal flash memory	
Operating temperature	-5 to +60°C	
Operating relative humidity	90% or less (non-condensing)	
Temperature coefficient	±0.015% FS of span per °C	
Humidity coefficient	±0.15% FS / 10-90% RH	
Isolation	Between input, output, and power supply	
Insulation resistance	100MΩ or more with a 500Vdc megger Between input, outputs, and power supply terminal	
Dielectric strength	2000Vac for 1 minute	
Power consumption	A : 100 to 240Vac ±10%	Approx. 5VA
	D : 24Vdc ±10%	Approx. 90mA
	8 : 110Vdc ±10%	Approx. 15mA
Power supply variation	±0.1% FS (within the range of rated voltage)	
Dimensions	97(H) X 51(W) X 128(D)mm	
Weight	Approx. 240g	
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	No.1 OUTPUT(NO1)	No.1 Output
2	No.1 OUTPUT(COM1)	
3	INPUT(+)	Input
4	INPUT(-)	
5	No.2 OUTPUT(NO2)	No.2 Output
6	No.2 OUTPUT(COM2)	
7	POWER U(+)	Power Supply
8	POWER V(-)	

Notes : Normal open terminal (NO : a contact)

\* Specification is subject to change without notice