



This converter inputs DC signal and outputs a relay contact signal 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- **NHP** - -

| 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 | 1 setpoint, Relay H operation |
| B | 1 setpoint, Relay L operation |
| C | 1 setpoint, Open collector H operation |
| D | 1 setpoint, Open collector L 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 | 1 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. 4.5VA |
| | D : 24Vdc ±10% | Approx. 70mA |
| | 8 : 110Vdc ±10% | Approx. 12mA |
| 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 | OUTPUT(NO) | Output |
| 2 | OUTPUT(COM1) | |
| 3 | INPUT(+) | Input |
| 4 | INPUT(-) | |
| 5 | OUTPUT(NC) | Output (No connection when Open collector) |
| 6 | OUTPUT(COM2) | |
| 7 | POWER U(+) | Power Supply |
| 8 | POWER V(-) | |

Notes : Normal open terminal (NO : a contact)

* Specification is subject to change without notice