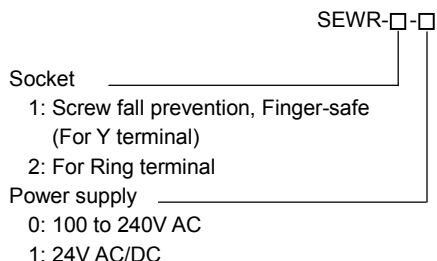


**2-output RTD Transmitter (With Indication Function)**

Model: **SEWR**

■ **Model**



■ **How to Order**

Specify a model. (e.g.) SEWR-1-0

**Factory Default Value:**

Input	Pt100: -200 to 850°C
Output 1	4 to 20mA DC
Output 2	4 to 20mA DC

■ **Accessories (Sold Separately)**

Communication cable to connect console software: CMB-001

■ **Input Specifications**

RTD (3-wire type)  
Input detection current: Approx. 0.2mA  
Allowable lead wire resistance: 10Ω or less per wire  
Burnout: Upscale, Downscale (Selectable by the keypad)

RTD	Input Range	
Pt100	-200 to 850°C	-328 to 1562°F
JPt100	-200 to 500°C	-328 to 932°F

Minimum span: 50°C (100°F)

■ **Output Specifications**

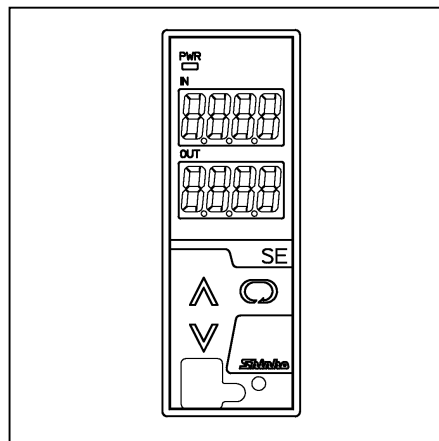
When the output range lower limit is zero, (even if zero adjustment results in a negative value), the output value will not be negative.

**DC Current**

Output range	Allowable load resistance	Zero adjustment range	Span adjustment range
4 to 20mA DC	700Ω or less	-5 to 5%	95 to 105%
0 to 20mA DC	700Ω or less	0 to 5%	95 to 105%
0 to 12mA DC	1.2kΩ or less	0 to 5%	95 to 105%
0 to 10mA DC	1.2kΩ or less	0 to 5%	95 to 105%
1 to 5mA DC	2.4kΩ or less	-5 to 5%	95 to 105%

**DC Voltage**

Output range	Allowable load resistance	Zero adjustment range	Span adjustment range
0 to 1V DC	100Ω or more	0 to 5%	95 to 105%
0 to 5V DC	500Ω or more	0 to 5%	95 to 105%
1 to 5V DC	500Ω or more	-5 to 5%	95 to 105%
0 to 10V DC	1kΩ or more	0 to 5%	95 to 105%



■ **Performance**

Basic accuracy (at 23°C of ambient temperature)  
 • Input: Within ±0.1% of each input span  
 • Output: Within ±0.1%

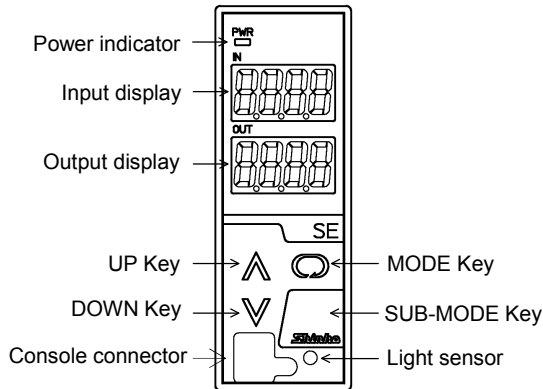
Cold junction compensation accuracy: Within ±1°C at -5 to 55°C  
 Indication accuracy: Within Basic input accuracy ±1 digit  
 Input sampling period: 25ms, 125ms, 250ms (Selectable by the keypad)

Response time: (Selectable by the keypad)  
 65ms (typ.) (0→90%) (Input sampling period: 25ms)  
 225ms (typ.) (0→90%) (Input sampling period: 125ms)  
 425ms (typ.) (0→90%) (Input sampling period: 250ms)

Temperature coefficient: ±0.015%/°C or less  
 Insulation resistance: 10MΩ or more, at 500V DC (Input - Output - Power)  
 Dielectric strength: 2.0kV AC for 1 minute (Input - Output - Power)

■ **General Structure**

Case: Flame-resistant resin    Color: Light gray  
 Front panel: Membrane sheet  
 Setting: Using front keypad  
 Connector for console software: Only CMB-001 cable usable  
 Displays and indicators:  
 Input display: 7-segment Red LED display 4-digit, Character size: 10 x 4.6mm (H x W)  
 Output display: 7-segment Red LED display 4-digit, Character size: 10 x 4.6mm (H x W)  
 Power indicator: Green LED



## ■ Installation Specifications

- Power supply: 100 to 240V AC 50/60Hz  
24V AC/DC 50/60Hz
- Allowable voltage range: 85 to 264V AC, 20 to 28V AC/DC
- Power consumption: Approx. 8VA
- Ambient temperature: -5 to 55°C
- Ambient humidity: 35 to 85%RH (non-condensing)
- Weight: Approx. 190g (including socket)
- Mounting: DIN rail
- Dimensions: W30 x H88 x D108mm (including socket)

## ■ Attached Functions

- Light sensor: Automatically measures and controls brightness of the displays, saving energy.
- Power failure countermeasure:  
The data is backed up in non-volatile IC memory.
- Self diagnosis: The CPU is monitored by a watchdog timer, and when an abnormal status is found on the CPU, the unit is switched to warm-up status turning all outputs OFF.

## ■ Environmental Specification

- RoHS directive compliance

## ■ Settings

### Function Keys

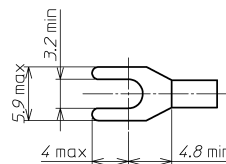
- UP Key: Increases numeric value.
- DOWN Key: Decreases numeric value.
- MODE Key: Selects a setting mode.
- SUB-MODE Key: Lights the displays again when in unlit status.

## ■ Displays and Indicators

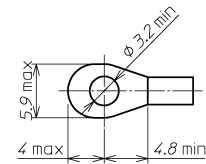
- Input display: Indicates the input value.  
When a range with a decimal point is selected:  
Indication of -200.0 or less: The minus (-) sign and input value light alternately.
- Under range: "----" flashes on the Input display.
- Over range: "----" flashes on the Input display.
- Warm-up indication:  
For approx. 3 seconds after the power to the instrument is turned on, input type is indicated on the Input display, and Output 1 type is indicated on the Output display.
- Output display: Indicates the output volume in percentage (%) form.
- Power indicator: A green LED is lit when the power to the instrument is turned on.

## ■ Solderless Terminals

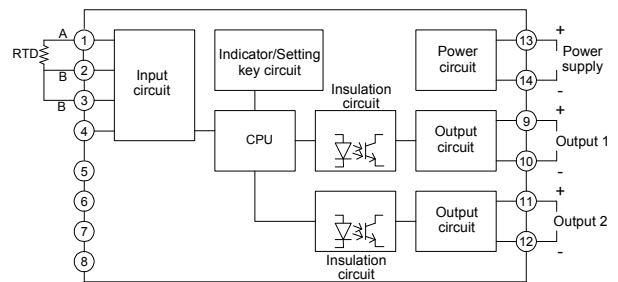
### Y Terminal



### Ring Terminal



## ■ Circuit Configuration, Terminal Arrangement



## ■ External Dimensions (Scale: mm)

