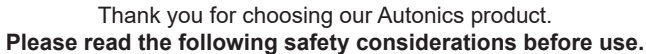



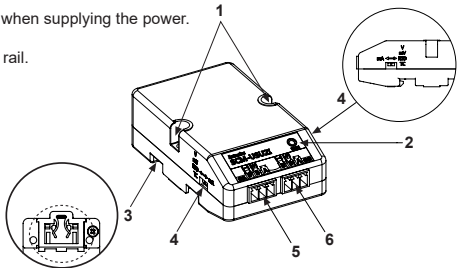
CE KC



**⚠ Warning**

- ⚠ Caution**

- 1. Mounting hole:**  
Used when the unit mounts to the panel.
- 2. Power indicator (red):**  
Turns ON the power indicator (red) when ON.
- 3. Rail Lock:**  
Used when the unit mounts on DIN rail.
- 4. Input type selector:**  
Input type selector by each CH.  
The left selector is for CH1 and  
the right one is for CH2 in the face.  
V, mV, RTD, TC    mA  
(default)
- 5. CH1 connector**
- 6. CH2 connector**



Item	Minimum specifications
System	IBM PC compatible computer with Intel Pentium III or above
Operations	Microsoft Windows 98/NT/XP/Vista/7/8/10
Memory	Min. 256MB
Hard disk	More than 1GB of free hard disk space
VGA	1024×768 or higher resolution display
Other	USB port

※Be sure to follow cautions written in the instruction manual and the technical descriptions (catalog, homepage).

## ■ Connections

※Input parts and USB cable connection part are insulated each other.

※Use crimp terminals of size specified below. (unit: mm)

	a	b	c
Terminal number	1 to N	6 to 8	Max. 1.5

The diagram illustrates the internal wiring and terminal connections for the device. On the left, a USB port is connected to a multi-pin connector. The main body has two channels, CH2 and CH1, each with four input pins labeled A, B+, B-, and RTD/TC. Internal circuitry includes resistors and capacitors connecting these pins to the inputs. At the bottom, there are two sets of terminals for voltage (mV), current (mA), and resistance/temperature (RTD/TC). A detailed inset shows a crimp terminal with dimensions: 'a' is the length of the terminal body, 'b' is the width of the contact area, and 'c' is the height of the contact tip. Below this, a table specifies the acceptable ranges for these dimensions based on the terminal's function.

<Crimp terminal>

	a	b	c
Terminal number	1 to N	6 to 8	Max. 1.5

**CH2 input**

A B+ B- RTD TC

**CH1 input**

A B+ B- RTD TC

mV mA  
RTD TC

**Analog**  
Voltage: -60~60mV, 0~200mV,  
0~1V, 1~5V, 0~5V, 0~10V  
Current: 0~20mA, 4~20mA

**Analog**  
Voltage: -60~60mV, 0~200mV,  
0~1V, 1~5V, 0~5V, 0~10V  
Current: 0~20mA, 4~20mA

[illegible]

Technical drawing of a panel assembly showing a cross-section of a panel with multiple layers held together by an M3 screw. Dimensions are labeled: 'B' (length of screw), 'A' (height of layer), and 'Panel'.

Number of layers(N)	'A' (23N+0.5)	'B' (23N-3)
1	23.5mm	20mm
2	46.5mm	43mm
3	69.5mm	66mm
4	92.5mm	89mm

Group	Parameter display	Factory default	Parameter display	Factory default
Parameter 1 group	Alarm□ Target CH	Alarm1/2 : CH1 Alarm3/4 : CH2	Alarm□ High_CH□	1350
	Alarm□ Mode	Alarm1/3 : AL-1 Alarm2/4 : AL-2	Alarm□ Hysteresis_CH□	1
	Alarm□ Low_CH□	-200	—	—
Parameter 2 group	CH□ Input Type	K (CA),H	CH□ Low Scale	000.0
	CH□ Unit	°C	CH□ High Scale	100.0
	CH□ Low Range	000.0	CH□ Digital Unit	%
	CH□ High Range	100.0	CH□ Input Bias	0
	CH□ Scale Dot	0	CH□ Digital Filter	0.1
Parameter 3 group	Communications Write	Enable	Parameter Initialize	NO

For accurate temperature measurement, warm up the unit over 20 min after turning on the power.

11. Make sure that power supply voltage reaches to the rated voltage within 2 sec after supplying power.
12. Do not wire to terminals which are not used.
13. Do not connect or disconnect USB cable quickly and repeatedly while communicating.  
It may cause damage or malfunction of the product and PC.
14. This unit may be used in the following environments.
  - ①Indoors (in the environment condition rated in 'Specifications')
  - ②Altitude max. 2,000m
  - ③Pollution degree 2
  - ④Installation category I

- Photoelectric Sensors
- Fiber Optic Sensors
- Door Sensors
- Door Side Sensors
- Area Sensors
- Proximity Sensors
- Pressure Sensors
- Rotary Encoders
- Connector/Sockets
- Switching Mode Power Supplies
- Control Switches/Lamps/Buzzers
- I/O Terminal Blocks & Cables
- Stepper Motors/Drivers/Motion Controllers
- Graphic/Logic Panels
- Field Network Devices
- Laser Marking System (Fiber, Co<sub>2</sub>, Nd: YAG)
- Laser Welding/Cutting System
- Temperature Controllers
- Temperature/Humidity Transducers
- SSRs/Power Controllers
- Counters
- Timers
- Panel Meters
- Tachometer/Pulse (Rate) Meters
- Display Units
- Sensor Controllers

**Autonics Corporation**  
<http://www.autonics.com>

**■ HEADQUARTERS:**  
 18, Bansong-ro 513beon-gil, Haeundae-gu, Busan,  
 South Korea, 48002  
 TEL: 82-51-519-3232  
**■ E-mail:** sales@autonics.com