



### 1 Safety Precautions

Please read the precautions before use and use it correctly.  
 ※ The specifications and dimensions listed in this manual are subject to change without prior notice for performance improvement.

#### ⚠ Warning

1. This product is not designed as a safety device, so when you use it for control purpose such as equipment that may cause human injury, damage of important peripheral equipment, or equipment that may cause tremendous damage to property, be sure to attach safety device in duplicate.
2. Do not connect, check or repair the power supply while power is applied to this product.
3. When connecting the power, be sure to check the terminal number.
4. Never disassemble, modify, or repair this product.

#### ⚠ Caution

- Before installing this product, please be sure to understand how to use, safety regulations and warnings, and use it only within the specified specifications or the related capacity.
- Do not wire or install the motor or solenoid with large induction load.
- When extending the sensor, use the same line and do not make it longer than necessary.
- Do not use parts that generate arc when opening or closing the same power source or nearby.
- Keep the power cord away from the high voltage line and do not install this product in a place where there is lots of water, oil and dust.
- Do not install the product where it is exposed to direct sunlight or rain.
- Do not install the product in strong magnetic field, noise, vibration or shock.
- Keep the product away from strong alkaline or acidic materials.
- When installing the product in the kitchen, do not spray water directly for cleaning purpose.
- Do not install the product in a place where the temperature/humidity exceeds the rating.
- Use the sensor cable in a manner that it does not break or scratch.
- Keep sensor wires away from signal lines, power, driving force and load lines and use an independent piping.
- Please note that this product can not be serviced when disassembled or modified arbitrarily by the user.
- The marking on the terminal wiring diagram is a safety statement to warn or be careful.
- Do not use the product near to the equipment generating strong high-frequency noise (High frequency welding machine, High Frequency Sewing Machine, High frequency radio, Large capacity SCR controller, etc.).
- Use of the product in a manner other than specified in the manual may result in personal injury or property damage.
- Since the product is not a toy, please keep it out of child's hand.
- This product must be installed only by a professional or qualified person.
- The manufacturer is not responsible for any damage incurred by the user due to failure to comply with the warnings or cautions stated above or due to user negligence.

#### ⚠ Danger

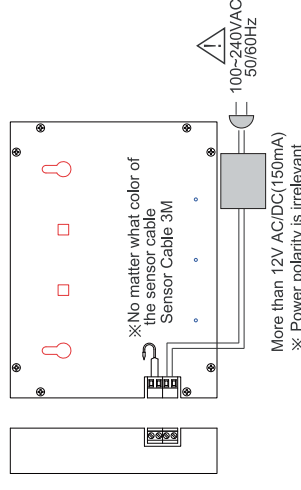
- Caution, Risk of electric shock
- Electrical shock - Do not touch the AC terminal while power is on. You may get an electric shock.
- Be sure to shut off the input power when checking the input power.

### 2 Model configuration

Model	Sensor	Range	Size	Function
CNT-PM3000	NTC(10K)	-55~99.9°C	W182.59 X H136.71mm	Digital temperature indicator

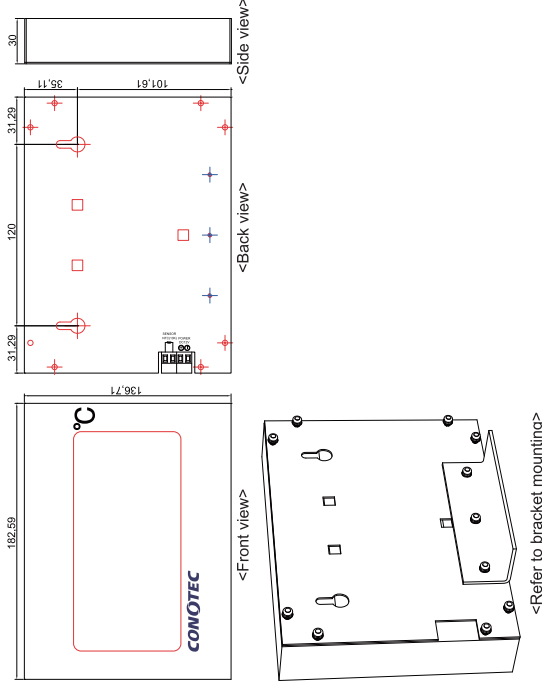
### 3 Terminal connection diagram

#### ▶ CNT - PM3000



### 4 Panel dimension

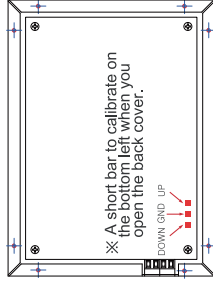
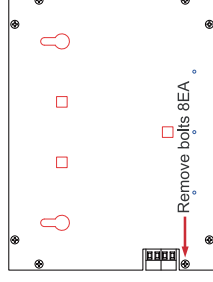
#### ▶ CNT - PM3000(182.59x136.71x30mm)



### 5 Temperature, Humidity Range and Set value at factory

Function	Adjustable value	Default	Remark
Temperature setting	Temperature indicator	+10 ~ -10	0.0
			Displayed value and actual value difference correction

### 6 How to correct the temperature value



After removing the bolt from the back case, if make GND and UP shortened, will be increased by 1 degree, and decreased by 1 degree if make GND and DOWN shortened.

### 7 A simple troubleshooting technique

- If error is displayed while using the product:
- **E r 1** is displayed when the DATA memory element is damaged inside the product as it is affected by powerful noise from outside while in use. In such a case, contact our company for customer service. While the controller is equipped with supplementary measures for outside noise, it cannot endure infinite noise. Noise (2KV) abnormality may damage inside of the unit.
- The sensor has defect when **□ - E** (Open Error) or **□ - E** (Short Error) is displayed. Please check the sensor.

※ The above specifications are subject to change without prior notice to improve product performance. Please read and understand thoroughly the precautions stated in the handling precautions.

※ Regarding the English-language manual, please download it at our home page.

#### ※ Warranty: 1 year from date of purchase

- ※ The above specifications are subject to change without prior notice to improve product performance. Please read and understand thoroughly the precautions stated in the handling precautions.
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- Tel : +82 (051) 819-0425~7
- FAX : 82-51-819-4562
- E-mail : conotec@conotec.co.kr
- Homepage : www.conotec.co.kr
- ※ This instrument is suitable in the following environment:  
 Ambient temperature: 0°C ~ 60°C  
 Ambient humidity: Below 80%Rh  
 Rated power: More than 12VAC/DC(150mA)

- Major production and development
- Digital temperature/humidity controller
- Digital timer, current/ voltage meter
- Other products