

# CONOTEC

CONOTEC CO., LTD.  
DIGITAL TEMPERATURE CONTROLLER



CNT-2SHT-1, 2SHTR-1

## Instruction Manual



- ◆ Digital Temp & Humidity Controller
  - Temp Output: 1Relay (1a)
  - Humi Output: 1Relay (1a)
- ◆ Digital sensor applied
- ◆ Usable up to 80°C

- A user manual for this product is posted on the company website.
- Please download the technical document and communications manual on the company website

## 01 Safety precautions

Please read the safety precautions carefully for correct operation of the product.

- ✱ The specifications and dimensions specified in this instruction manual may be changed without any notice for performance enhancement.

### ⚠ Warning

1. This product was not made as a safe device. Therefore, this product should be attached with dual safety devices if it is used for the control purposes (e.g. a device vulnerable to accident and property damage, etc.).
2. Do not wire, inspect or service this product while the power is being supplied.
3. You must attach this product to a panel. Otherwise, it may cause an electric shock.
4. When connecting the power, you must check the terminal number.
5. Do not ever disassemble, process, modify or repair this product.

### ⚠ Caution

1. Please make yourself familiar with all the operation instructions, safety precautions and warnings before using this product. Comply with related specifications and capacity requirements
2. Do not wire or install this product to any unit with high inductive load (e.g. motor, solenoid, etc.).
3. Use a shielded cable with a proper length when extending a sensor.
4. Do not use any part that generates an arc when used in the same power or directly switched in close proximity.
5. Keep the power cable away from a high-voltage cable and do not install this product in any place that is full of water, oil and dust.
6. Do not install this product in any place that is exposed to direct sunlight or rain.
7. Do not install this product in any place that is subject to strong magnetic power, noise, vibration or shock.

8. Keep this product away from any place that generates strong alkaline or acid substances. Use a separate pipe.
9. Do not sprinkle water onto this product for cleaning when installing it in the kitchen.
10. Do not install this product in any place where the temperature/humidity ratings are exceeded
11. The sensor cable should not be cut or cracked..
12. Keep the sensor cable away from a signal cable, a power cable or a load cable. Use a separate pipe.
13. Keep in mind that the follow-up service will not be available if this product has been arbitrarily disassembled and modified
14. ⚠ symbol on the terminal wiring diagram indicates a safety statement that alerts a warning or caution.
15. Do not use this product near any device generating strong high-frequency noise (e.g. high-frequency welding machine, high-frequency sewing machine, high-frequency radio, large-capacity SCR controller, etc.).
16. Using this product in any method other than those specified by the manufacturer may lead an injury or a property damage
17. The product is not a toy. Keep it away from children.
18. The product should be installed only by an expert or a qualified person.
19. The company will not be liable for any damage caused by the violation of the above warnings and cautions or by a consumer's fault

### ⚠ Danger

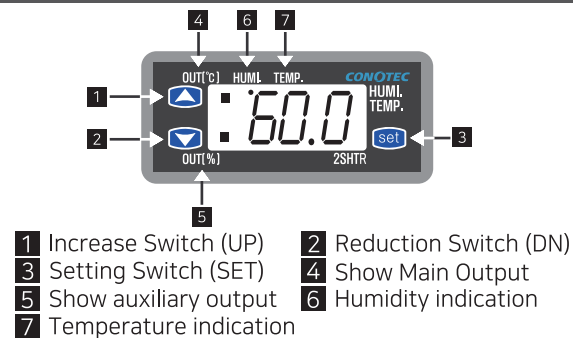
Caution: Risk of electric shock

- Electric shock - Do not touch the AC terminal while the current is flowing. It may cause an electric shock.
- You must disconnect the input power when servicing it.

## 02 Model Types

Model	Output	Sensor	Humidity range	RS485 Comm
CNT-2SHT-1	TEMP:1a 250Vac2A	CNT-H Series	0.0%~100.0%Rh	-
CNT-2SHTR-1	HUMI:1a 250Vac2A		-39.9°C~80.0°C	Supported

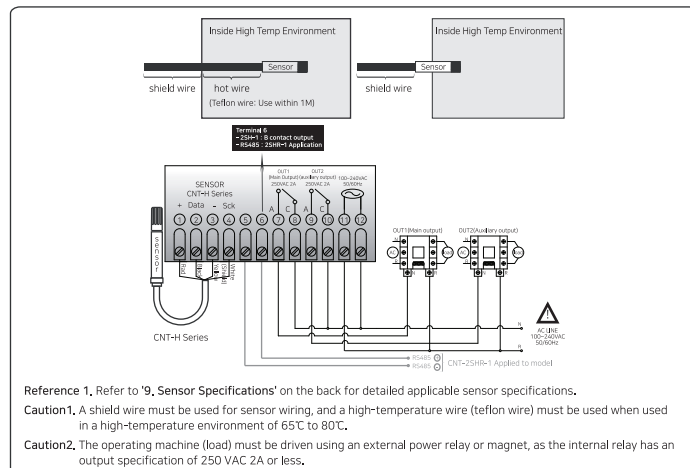
## 03 Components



\* Humidity display and control + temperature display There are two modes of current status display, which can be switched to "humi display/temp display" with UP (increase)/DN (decrease) switches.

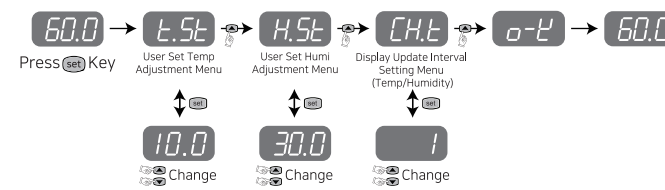
## 04 Terminal wiring diagram

[ CNT-2SH-1 / CNT-2SHR-1 ]

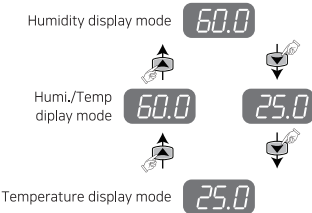


## 05 Setting process

### Changing User Setting Humidity / User Setting Temperature



### Humi./Temp.mode changing



## Program setting (The value of each item is the factory setting.)

