Version 2.0.0(2024.06.28)

WWW.CONOTEC.CO.KR

CONOTEC CO., LTD.

DIGITAL TEMPERATURE CONTROLLER



CNT-2H, 2H-2

Instruction Manual



- 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.

X 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. A 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 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

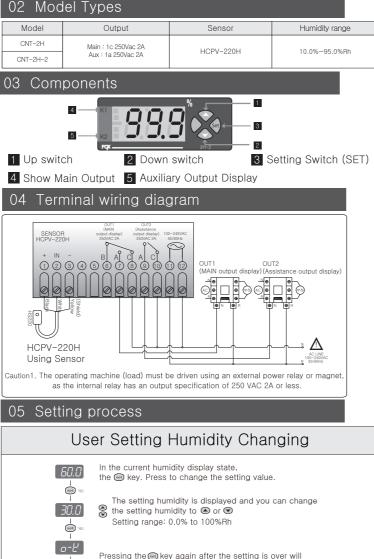
▲ Danger

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.

set 🖘

60.0

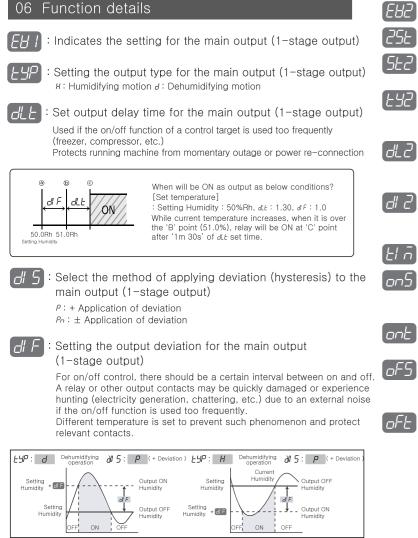


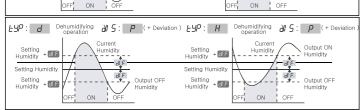
briefly display the (o-t) character and will display the

current humidity again when the setting is saved.

60.0 (set) 🖘 Press for 5 sec ヽヽ゚ノノ EH 111 Enable auxiliary output μцρ two-stage humidity control Output Type Change Menu 25E set set Set range H (humidit Н (humidity) / J (dehumidity) SF5 set set Output Latency Change Menu 30.0 set set ≤ Set range ♥ 0 m~9 m59 s 0.00 ראי set ରୋ set Deviation (hysteresis) Application Direction Setting Menu Н set set \bigcirc P: + Application of deviation \bigcirc P_n : ± Application of deviation Ρ dL2 set **5**61 set Deviation (hysteresis) Value Setting Menu 0.00 set set Set range 🕑 []. I ~ 19.9 1.0 d 2 set set Cor Sensor Calibration Menu 1.0 set 61 Set range
 ▼ - 10.0 ~ + 10.0 0.0 set Lo Program Lock menu set Set range L.oF € L.oF(Releases) /L.on(Lock)

Program setting (The value of each item is the factory setting.) EH2 set Use auxiliary output as time output El Ā set Time output ON time onS Two-Stage Humidity Setting Count Unit Setting Menu set Set range Set range SEC MIN(m) / SEC() *ПП%* ~ *ППП*% set Time output ON time Two-Stage Humidity Output Type Change Menu Setting Menu set Set range Set range 0 H (humidity) / d (dehumidity) 0~999 set Time output OFF time Two-Stage Humidity SF5 Output Latency Change Menu Count Unit Setting Menu set Set range SEC Set range 0 m~ /9 m59 s MIN(m) / SEC(s) set Two-Stage Humidity Time output OFF time Deviation (hysteresis) Setting Menu Value Setting Menu set Set range Set range 0 11 1~ 199 $\Pi \sim 999$







HEE

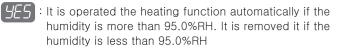
Current Humidity Correction Features

The function calibrates the current humidity to be consistent with the actual humidity if the humidity shown in the display window and the actual are humidity are different despite the product has no problem.

- Ex) Actual Humidity : 55.0Rh, Current Humidity : Suppose the Cor value is set -2 when 57.0Rh, the current humidity will be displayed at 55%Rh.
- ▲ Caution : The performance of the actual humidity is verified. Please use calibrated equipment for calculation. Calibration based on humidity calculation with incorrect equipment may cause product malfunction.

Humidity sensor heating function

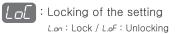
It is possible to be covered with dew when the humidity is high. If the present humidity is 95.0% RH, it is generated heat inner its sensor in order to prevention of dewy.



: The heating function will be prohibited.

△ Caution : It must be set up "NO" because the heating function can not be used for more than 95.0%RH

△ Caution : The present temperature's display can be increased a little while operating of the humidity sensor's heating function



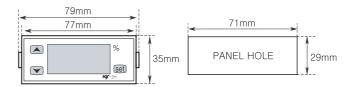
EU2 : Indicate that this is a setting for auxiliary output

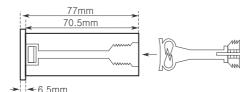
252 : Use auxiliary output as two-stage humidity output

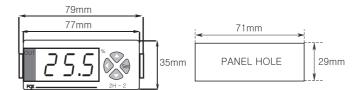
- 562: Change the setting humidity of auxiliary output to two-stage humidity output
- EY2: Setting the output type for auxiliary output to two-stage humidity output
 - H: Humidifying motion / d: Dehumidifying motion
- CL2: Setting the output delay time for auxiliary output to two-stage humidity output 3. *dL* reference
 - S. DLC TETETET
- C Setting output deviations for auxiliary output to two-stage humidity output 5. *dLt* reference
- El n : Set auxiliary output to time output
- Setting the ON-time count unit of the auxiliary output (time output)
 - āl a : Count in minute / 5EE : Count in seconds
- : Setting the ON-time count time for the auxiliary output (time output)
 - 5 : Setting the OFF-time count unit of the auxiliary output (time output)
 - āl n : Count in minute / 5EE : Count in seconds
- : Setting the OFF-time count time for the auxiliary output (time output)

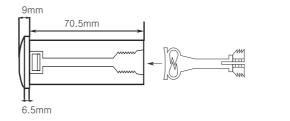
07 Diemension and panel hole sizes

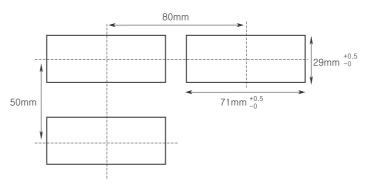
(Unit : mm / error : ±0.5)











08 Easy error diagnosis instructions

X If an error is displayed while the product is running

- [Fr]: It is case where the product was subject to a strong external noise and internal data memories have been damaged In this case, contact us for product service.
- Although this controller was designed to withstand a certain level of external noise, it is not supposed to withstand all levels of noise.
- If the product is subject to a noise greater than 2KV, it could be internally damaged.
- **o-E** display means communication defect with the sensor. Please check connection, wire short, and connection order to the sensor. If the problem persists, please contact our customer. service department.
- [--] or [+-] is shown when humidity display has exceeded the range. If the error is displayed despite maintaining our customer service department

 * The above specifications may be changed without any notice for performance enhancement. Please make yourself fully familiar with and follow the above precautions. Warranty period: One year from the date of purchase Address : (Street address) 56, Ballyongsandan 1-rp, Jangan-eup Gijang-gun, Busan, ROK (Land-lot address) 901-1, Ballyong-ri, Jangan-eup, Gijang-gun, Busan, ROK (46034)
 Product service : 070-7815-8289 Customer service : 051-819-0425 ~ 0427 FAX : 051-819-4562 Email : conotec@conotec.co.kr SNS : Facebook, Instagram, Twitter, YouTub 'Search for 'Conotec' Website : www.conotec.co.kr Installation precautions This device sholuld be connected to a protective earth terminal and a power supply in order to prevent an electric shock. Do not block the air outlet.
 Operation precautions An operating environment of this device is as follows. Ambient temperature : 0 ~ 60°C Ambient humidity : 80%RH or less Indoor uses only Pollution class 2 Altitude under 2000m Installation category : II This device should be laid out in a way that its power cord is easy to handle. Using this product in any method other than those specified by the manufacturer may damage its protection function
 Major products and development Temperature/humidity controller Counter and timer controller Current and voltage panel meter Temperature/humidity indicator Short message alarm Oven controller CO2 controller PID controller Unit cooler controller

* This manual was prepared in the Naver Nanum fonts.