

KT3010 Humidity Controller Operating Manual

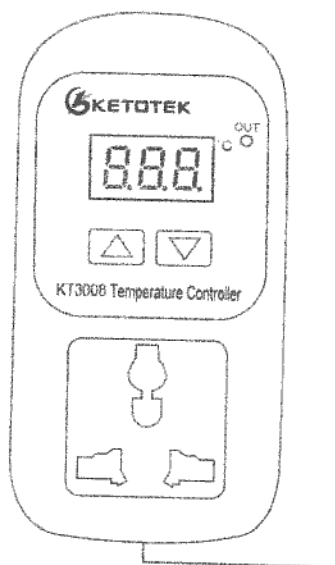
1. Overview

- Humidity controller with socket.
- With clear blue LED display for better readability.
- Wide humidity measuring range.
- All parameters setting can be saved after short circuit.
- Directly power output.
- High Control precision.
- Can be used for many humidity control environment .

2. Specifications

- Power Supply: 110V-220VAC
- Humidity control range: 0~99%RH
- Resolution Ratio: 0.1%
- Control accuracy: $\pm 2\%$ RH
- Sensor: humidity sensor
- Output: MAX 10A socket directly output
- Size: 120mm(L)*60mm(W)*30mm(Depth)
- Power consumption: Static current: ≤ 35 MA, attract current: ≤ 65 MA

3. Key Instruction



4. Key Operation Instruction

- In normal working status, screen display real time humidity value. press **UP** key once. Screen display start humidity value x. press **Down** key once. Screen display stop humidity value y. x~y is setted humidity range.
- Hold **UP** key. led flash, press **UP** or **Down** to change start humidity.
- Hold **Down** key. led flash, press **UP** or **Down** to change stop humidity.

5. Operation Instruction

- **Dehumidification mode:**

- When set start humidity \geq stop humidity, the controller will work in dehumidification mode. You can use dehumidifier as load.
- For example, set start humidity 35%RH, stop humidity 15%RH. Dehumidifier work when humidity $\geq 35\%$ RH, Dehumidifier stop when humidity $\leq 15\%$ RH

• **Humidification mode:**

- When set start humidity \leq stop humidity, the controller will work in humidification mode. You can use humidifier as load.
- For example, set start humidity 40%RH, stop humidity 60%RH. Humidifier work when humidity $\leq 40\%$ RH, Humidifier stop when humidity $\geq 60\%$ RH

• **Reset:**

- In normal working status, hold **UP** and **Down** for 3S, the screen will display 888 to reset the controller.

• **Calibration:**

- In normal working status, hold **UP** and **Down** for 2S, the screen will display 0.0. Press **UP** or **Down** to adjust value.

• **Performance issues identification:**

- When the Led display LLL, check the sensor connected well or change the sensor
- When the Led display HHH, the temperature is Beyond measurable range of sensor.

! **Warning:**

- The max current of output is 10A (110Vac/220Vac). In order to make sure the controller work under high performance condition.
- We recommend to use maximum power ≤ 800 W when you use resistive load such as heating rod, heating pad, electric water heater etc.
- We recommend to use maximum power ≤ 275 W when you use inductive load such as compressor, heat pump etc.