

KT5011 Series Thermostat User Manual

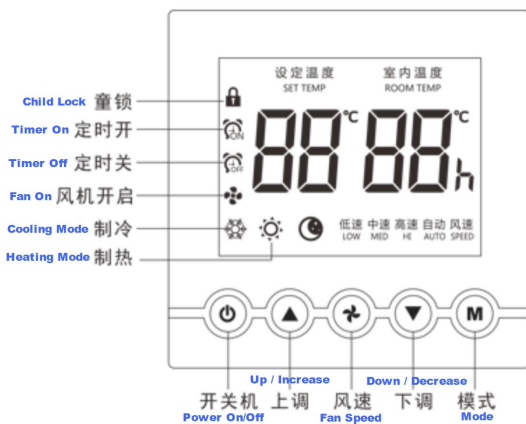
Dear customer, first of all, thank you for choosing our company's products.

1. Please read this manual carefully before installation and operation to ensure correct installation and usage.
2. Use the thermostat within its rated current. Overloading is strictly prohibited. This thermostat has been tested and can operate for extended periods at its nominal rating without adverse effects.
3. Strictly adhere to electrical standards. Wire the thermostat according to the connection diagram on the bottom housing.
4. Never press the keys with wet hands, as this may cause electric shock.
5. Never use an open flame to simulate temperature rise on the sensor probe, as this will damage the sensor.
6. Do not clean the screen with a wet cloth or chemical reagents. Use a soft cloth dampened with a small amount of clean water.
7. Avoid using the device in excessively humid or corrosive gas environments, as this may cause equipment damage.

1、Product Electrical Specifications

- Sensing Element: NTC
- Display Resolution: 0.1°C
- Temperature display range of temperature-sensing element: 0 ~ 70°C
- Standby Power Consumption: <3W
- Cooling Lower Limit Setting: 5~35°C
- Operating Environment: Temperature 0~50°C, Humidity 5~85% RH (non-condensing)
- Power Supply: AC 100V~240V 50/60Hz
- Control Accuracy: $\pm 1^{\circ}\text{C}$
- Temperature Setting Range: 5~35°C
- Heating Upper Limit Setting: 5~50°C
- Rated Current: 1A

2、Function and Button Introduction



Key Definitions

Power On/Off: In normal state, a short press toggles the device ON/OFF. In setting state, a short press saves parameters and exits.

Up / Down: Short press to adjust the set temperature.

Fan Speed: Short press to cycle fan speed: Auto -> High -> Medium -> Low.

Mode: Short press to toggle between Cooling Mode and Heating Mode.

Function Description

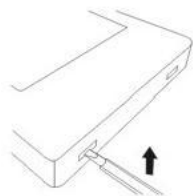
Child Lock: While powered on, press and hold both Up and Down keys for about 5 seconds. The lock icon will appear, disabling all keys. To unlock, press and hold both keys again for about 5 seconds until the icon disappears.

Timer On/Off: While powered on, press and hold the Mode key for 5 seconds to enter the Timer-Off setting interface (Timer-Off icon lights up). Use Up/Down keys to set the time. Press Mode to switch to the Timer-On setting interface (Timer-On icon lights up). Set the time, then press Mode to continue cycling, or press the Power key to save and exit. Default time is 0 hours, adjustable in 1-hour steps.

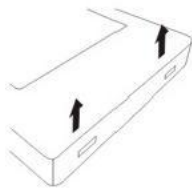
Dry Contact Linkage (Host Interlock): (Not supported on standard models) Outputs a dry contact (passive switch) signal for interlocking with a host unit.

3. Installation

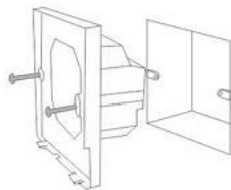
This series of flush-mount thermostats must be installed into a standard Chinese 86 wall-mounted electrical box.



Using a flat-head screwdriver
Gently pry open the two clips



Gently pull up to separate the faceplate



Backplate secured to the 86 box

- Insert a flat-head screwdriver to gently pry open the two clips at the bottom of the housing to separate the faceplate from the backplate.
- Connect the wires between the thermostat, power supply, and load according to the wiring diagram on the backplate.
- Secure the backplate to the 86 box using the two provided 4 * 25 self-tapping screws.
- Align and snap the faceplate onto the backplate. Firmly press the bottom of the faceplate downwards to ensure it clicks securely into place.

4. Wiring Methods

• Standard Wiring Diagram



• Host Interlock Model Wiring Diagram

