



# WiCommand

## Thermostat WIFI Thermostat

### User's Manual



WiCommand English V1

### Instruction

The WiCommand thermostat controls the floor heating system based on a built-in weekly program that runs in 2 or 4 stages per day, 7 days a week. The default weekly program parameters can satisfy most usage scenarios. If your living habits are different, you can also modify the weekly program's parameters in the thermostat or application (APP). When there is no one in the house, it is recommended to set the temperature down to save energy. Besides, the thermostat also has a built-in adaptive function. When this function is enabled, the thermostat heats or stops heating in advance of the next stage in order to bring the room temperature to the next stage's set temperature. Please note that after turning the adaptive function on, the thermostat takes a few days to learn the time required for transitioning the temperature.

### Symboles

|  |                            |  |                  |
|--|----------------------------|--|------------------|
|  | 1 On/Off/GFCI Reset Button |  | 6 WiFi Indicator |
|  | 2 GFCI Test Button         |  | 7 Setpoint       |
|  | 3 Mode                     |  | 8 Event          |
|  | 4 Temperature              |  | 9 Day and Time   |
|  | 5 Sensor Selection         |  | 10 Touch Key     |

### Ground Fault Circuit Interrupter (GFCI)

This thermostat has a built-in GFCI function that protects people from all electric shock. It is very important to check whether the GFCI function is normal or invalid. Here are the verification steps:

- Confirm that the thermostat is turned on.
- Press the [Test Monthly] button. If a red light appears in the thermostat's upper left-hand corner and GROUND FAULT appears on the screen, the GFCI function is normal. If there is no response, it means the function is invalid; please then contact the dealer or electrical installer. Note: Do not press and hold the [Test Monthly] button.
- Press the [Reset] button. The red light turns off and the screen shows the Power Off status.
- Press the [Reset] button again. The thermostat turns on.

If, in daily use, the red light is on and the screen shows GROUND FAULT, you need to check whether there is an actual ground fault by pressing the [Reset] button. If the red light is off and the screen shows the Shutdown status, it is nuisance tripping. If not, it means the ground fault has occurred. Please then contact your dealer or professional technician immediately.

### WiFi Connection

- Scan the QR code or download Warmme from APP store/Google browser.
- Register and log in with the mobile number or email address in the application (APP). Attention: Please read and agree with the "Privacy Policy and Service Agreement" before registering.
- Click on "Add Device" or "+" in the top right-hand corner to add a device.
- Click on "WiFi Thermostat"
- Operate the thermostat. If the WiFi icon flashes quickly, click on "Press to connect."
- Enter the WiFi password, and click on "Confirm."
- If the device gets added successfully, you can change the device name and set the region, then click on "Done." Attention: If the device addition operation fails, please confirm the Wifi version is 2.4G, check the Wifi signals, then use the "AP mode" in the top right-hand corner to connect again.
- You can check the real-time temperature, then set the temperature, etc. at the control interface.

### Functions and Operation

#### On/Off

The GFCI Reset button is also the On/Off switch. Press the [Reset] button to switch on and off.

#### Temporary Temperature Override

This function is enabled in automatic mode. When the temperature demand changes in this mode, the set temperature is enabled, but the parameters in the Event do not change.

Operation method:  
From the real-time temperature interface, tap ▲ or ▼ to modify the set temperature. Tap OK to confirm and return to the real-time temperature interface.

#### Mode Selection

This thermostat provides three operating modes:

**Automatic Mode:** Based on the weekly program, the thermostat automatically adjusts the set temperature.

**Manual Mode:** The thermostat runs continuously based on the set temperature.

**Frost Protection Mode:** The temperature controller runs at a lower set temperature. The temperature range is set from 5 C (41 °F) to 15 C (59 °F) in this mode. Use this mode when you want to keep your room at a lower temperature while you are on vacation.

How to set the mode under the Mode Selection function:  
In the real-time temperature interface, tap OK to access the first-level menu, then "Mode" starts to flash.  
Tap OK to access Mode Selection. Tap ▲ or ▼ to change the mode.  
Tap OK to confirm your selection.  
If you select Manual Mode or Frost Protection Mode, you also need to tap ▲ or ▼ to set the temperature.  
Tap OK to return to the real-time temperature interface.

#### Key Lock

The thermostat provides a Key Lock function to prevent incorrect modification of the thermostat setting parameters.

Note: The [Reset] and [Test Monthly] buttons can still operate normally so as to respond to an emergency.

How to enable the Key Lock function:  
1. From the real-time temperature interface, press and hold ◀ until the lock symbol appears.  
2. From the real-time temperature interface, tap OK to access the first-level menu, then "Mode" starts to flash.  
Tap ▲ or ▼ to select Key Lock.  
Tap OK to access the Key Lock setting. Tap OK to confirm.  
Tap OK to return to the real-time temperature interface.  
To cancel the Key Lock mode:  
From the real-time temperature interface, press and hold ▶ until the lock mark on the screen disappears.

#### Weekly Program Parameter Setting

In automatic mode, the thermostat runs automatically based on the weekly program's setting parameters. The weekly program contains two parameters: Schedule and Event.

- Schedule**  
Assign seven days a week to the following two schedules:  
**5+1+1:** The Event parameter is the same from Monday to Friday, with separate Event parameters on Saturday and Sunday.  
**7:** With separate Event parameters every day.

Schedule parameter setting method:  
From the real-time temperature interface, tap OK to access the first-level menu, then "Mode" starts to flash. Tap ▲ or ▼ to select Schedule.  
Tap OK to access the parameter settings. Tap ▲ or ▼ to select a parameter.  
Tap OK to confirm.  
Tap OK to return to the real-time temperature interface

- Event**  
In the Home scenario, the day is divided into four events:  
Wake--☀: Leave--🏠 Return--🏠 Sleep--☾  
(In the Office scenario, the day is divided into two phases: at work--☀: off work--☾). The set temperature for each stage can be set separately

Event parameter setting method:  
From the real-time temperature interface, tap OK to access the first-level menu, then "Mode" starts to flash. Tap ▲ or ▼ to select Event.  
Tap OK to access Week Selection.  
Tap ▲ or ▼ to select the day for which you want to modify the parameters.  
Tap OK to access stage selection for the day.  
Tap ▲ or ▼ to select the stage at which you want to modify the parameters.  
Tap OK to enter the current phase's temperature setting.  
Tap ▲ or ▼ to select the temperature value you want to set.  
Tap OK to enter the hour setting for the current phase's starting time.  
Tap ▲ or ▼ to select the starting hour.  
Tap OK to enter the minute setting for the current phase's starting time.  
Tap ▲ or ▼ to select the starting minute.  
Tap OK to return to the stage selection for the day.  
Note: Return to the real-time temperature interface and tap ◀ multiple times.

#### Event Default Parameter List

| Home        | Wake ☀     |             | Leave 🏠    |             | Return 🏠   |             | Sleep ☾    |             |
|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| Week        | Start Time | Temperature | Start Time | Temperature | Start Time | Temperature | Start Time | Temperature |
| Mon. - Fri. | 6:00       | 78 °F       | 8:00       | 69 °F       | 17:00      | 78 °F       | 22:00      | 69 °F       |
| Sat., Sun.  | 8:00       | 78 °F       | 8:30       | 79 °F       | 17:30      | 78 °F       | 22:00      | 69 °F       |

| Office      | At Work ☀  |             | Off Work ☾ |             |
|-------------|------------|-------------|------------|-------------|
| Week        | Start Time | Temperature | Start Time | Temperature |
| Mon. - Fri. | 7:00       | 78 °F       | 18:00      | 69 °F       |
| Sat., Sun.  | 7:00       | 68 °F       | 18:00      | 69 °F       |

### Settings

In addition to the common functions above, the thermostat also provides a number of parameters for controlling other variables. Please note that it is necessary to have these parameters set by a professional technician in order to avoid damage caused by abnormal settings.

Settings access method:  
From the real-time temperature interface, tap OK to access the first-level menu, then "Mode" starts to flash. Tap ▲ or ▼ to select Settings.  
Tap OK to access Settings. Settings contains the following items:

- Time**  
Set the current time and day of the week. Note: The thermostat's WiFi version will automatically update to local time after networking

Time setting method:  
After accessing Settings, tap ▲ or ▼ to select Time.  
Tap OK to access the time's hour setting.  
Tap ▲ or ▼ to select the current time's hour value.  
Tap OK to access the time's minute setting.  
Tap ▲ or ▼ to select the current time's minute value.  
Tap OK to access the weekday setting.  
Tap ▲ or ▼ to select the current weekday.  
Tap OK to access the time's hour setting.  
Tap ◀ multiple times to return to the real-time temperature interface.

- Temp Unit**  
°F or °C can be selected as the temperature unit of measure.

Temp Unit setting method:  
After accessing Settings, tap ▲ or ▼ to select °F or C.  
Tap OK to access the selection.  
Tap ▲ or ▼ to select the desired temperature unit of measure. Tap OK to confirm.  
Tap OK to return to the real-time temperature interface.

- Sensor Type**

This thermostat can be connected not only to the floor sensor but also to two other commonly used floor sensors. When replacing the old thermostat, there is no need to replace the floor sensor; this simplifies the installation process.

Sensor Type setting method:  
After accessing Settings, tap ▲ or ▼ to select Sensor Type.  
Tap OK to enter the selection.  
Tap ▲ or ▼ to select the floor sensor type you are currently using.  
Tap OK to confirm.  
Tap OK to return to the real-time temperature interface.

| No | Sensor Type    | Parameters                  |
|----|----------------|-----------------------------|
| 00 | 3950 (default) |                             |
| 01 | 3600           | R(25°C)=12kΩ R(10°C)=22.2kΩ |
| 02 | 3700           | R(25°C)=10kΩ R(10°C)=19.1kΩ |

- Sensor Selection**

In addition to the floor sensor, this thermostat has built-in sensors to monitor room temperature. Therefore, three sensor applications are available:

**Room:** Monitors room temperature based solely on built-in sensors.

**Floor:** Monitors floor temperature based solely on the floor sensor.

**Room.Limit:** Monitors room temperature based on the built-in sensor while monitoring floor temperature so it does not exceed its upper limit. This application, like Floor, can be used in places such as wood floors where floor temperature is critical.

Sensor Selection setting method:  
After accessing Settings, tap ▲ or ▼ to select Sensor Selection.  
Tap OK to access the selection.  
Tap ▲ or ▼ to select the sensor application type. Tap OK to confirm.  
Tap OK to return to the real-time temperature interface.  
Note: If you select Room.Limit, you must set the maximum temperature that the floor can tolerate.

- Calibration**

This thermostat has a built-in probe and floor sensor calibration function for cases demanding higher precision.

Calibration setting method:  
After accessing Settings, tap ▲ or ▼ to select Calibration.  
Tap OK to select Room or Floor.  
Tap ▲ or ▼ to select Compensate Built-in Probe or Floor Sensor.  
Tap OK to access the compensation setting.  
Tap ▲ or ▼ to adjust the real-time temperature so it matches the calibration instrument's displayed temperature value.  
Tap OK to return to the setting item selection.

- Location**

This thermostat is suitable for use in both homes and offices. For the office, it features a built-in set of weekly program parameters. See the Weekly Program Parameters section for details.

Location setting method:  
After accessing Settings, tap ▲ or ▼ to select Location.  
Tap OK to select Office or Home.  
Tap ▲ or ▼ to select one of the two.  
Tap OK to confirm.  
Tap OK to return to the real-time temperature interface.

- Adaptive**

This thermostat has an adaptive function. When this function is enabled, the thermostat heats up or stops heating in advance to prepare the system for the next stage and makes the temperature just reach the set temperature.

Adaptive setting method:  
After accessing Settings, tap ▲ or ▼ to select Adaptive.  
Tap OK to enter the selection.  
Press ▲ or ▼ to enter Yes or No.  
Tap OK to confirm.  
Tap OK to return to the real-time temperature interface.

- Readout**

This thermostat provides a function to calculate the percentage of heating time over a specified time period. The relevant parameters can be queried through the Readout item.

Readout query method:  
After accessing Settings, tap ▲ or ▼ to select Readout.  
Tap OK to access the selection.  
Tap ▲ or ▼ to select 1 Day, 30 Days or 365 Days to query.  
Tap OK to return to the Settings item selection.

### 9. Factory Reset

Ce thermostat prévoit une fonction servant à réinstaurer les valeurs de paramètre de l'usine.

Factory Reset setting method:  
After accessing Settings, tap ▲ or ▼ to select Factory Reset.  
Tap OK to enter the selection.  
Tap ▲ or ▼ to select Yes or No.  
Tap OK to confirm.  
Tap OK to return to the real-time temperature interface.

#### Settings Default Parameter List

| No | Name             | Default Parameter             | Setting Range                 |
|----|------------------|-------------------------------|-------------------------------|
| 1  | Time             | /                             | /                             |
| 2  | °F/C             | °F                            | °F<br>°C                      |
| 3  | Sensor Type      | 00 3950<br>01 3600<br>02 3700 |                               |
| 4  | Sensor Selection | Floor                         | Room<br>Floor<br>Room.Limit   |
| 5  | Calibration      | -17,78 C (0 °F)               | -22,78 à -12,78 C (-9 à 9 °F) |
| 6  | Location         | Home                          | Home<br>Office                |
| 7  | Adaptive         | No                            | Yes<br>No                     |
| 8  | Readout          | /                             | /                             |
| 9  | Factory Reset    | No                            | Yes<br>No                     |

### Troubleshooting

**E1:** Built-in probe failure, please contact your dealer or professional technician.

**E2:** External probe failure, please contact your dealer or professional technician.

### Installation

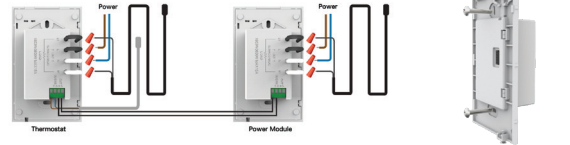
1. Loosen the bottom screw using a Phillips screwdriver. Open the bottom from the upper right side as shown. Note: Screw the nut out of the groove; there is no need to unscrew it.



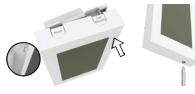
2. Wire as shown:  
**L/N lead:** Connect the power cord using the terminal block.  
**L1/N1 lead:** Use a terminal block to connect the load line.  
**IV/SNR terminal:** Connect the floor sensor.  
**OUT terminal:** Connect to IV/SNR on the Power Module

Note: Disconnect the main power supply before wiring. If an electric floor heating cable or mat system requires a current intensity greater than 15 amperes, install a power module. Wiring diameter: 12 to 22 AWG.

3. Install the back cover into the terminal box and secure it using the set screw.



4. Fit the left side of the front and rear covers as shown. Rotate to the right again and press the upper half of the right border until you hear a click. Use a screwdriver to secure the bottom screw. Turn on the power and test the GFCI function.



### WARNINGS

To avoid any and all risk of electric shock, disconnect all power coming to the heater at the main service panel before installing the thermostat. Keep the thermostat's air vents clean and free from any obstructions. All wiring must conform to local and national electrical codes and ordinances. Installation must be carried out by qualified personnel.

### Classification

The thermostat is a Class II device (with reinforced insulation) used for controlling electrical floor heating. The product must be connected to the following leads:

**L/N lead:** Connect the power cord using the terminal block.

**L1/N1 lead:** Use a terminal block to connect the load line (Max: 15 A).

Note: Electric floor heating cable/mat must be in accordance with the supply voltage. The terminals are designed to handle a wire cross-section measuring 12-22 AWG.

### Technical Specifications

|                    |                             |
|--------------------|-----------------------------|
| Supply voltage:    | 120/240 VAC 50/60 Hz        |
| Load:              | max.: 15 A (resistive load) |
| GFCI:              | Class A (5 mA trip level)   |
| Setpoint range:    | 5 to 40 C / 41 to 104 °F    |
| Temperature range: | 5 to 45 C / 41 to 113 °F    |

### Dimensions (mm)

