Instruction

Smart Weekly Programming Floor Heating Thermostat

Instruction

This Electric floor heating thermostat can be independently controlled and remote-controlled(WIFI Version Only). The WIFI version allows you to control the thermostat anywhere in the world through the APP.

Functions

1. Remote control (WiFi version Only)
2. Breathing lamp
3. Touch key
4. Lock key function
5. Automatic mode
6. Hold mode
7. Holiday mode
8. Antifreeze protection function
9. Weekly Program
10. Parameter saving function

Technical parameters

1. Power consumption: <1W
2. Input voltage: 85-265 VAC 50/60Hz
3. Maximum output current: 16A (Resistive load)
4. IP level: IP21
5. Wiring specification: ≤ 2.5mm²

Installation instructions

Step 1: Insert the Slotted screwdriver into the bottom notch of the thermostat and open the thermostat from the upper right side as shown.
Note: Please do not pull off the wire connecting the front and rear of the thermostat.
Step 2: Wire as Wiring instructions.
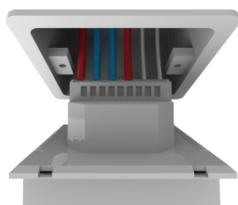
Step 1   Step 2

Step 3: Install the back cover of the thermostat into the terminal box with the set screws.
Step 4: Fasten the front cover of the thermostat from the top as shown,then press hard on the bottom two corners until the front and rear parts are fastened as before.
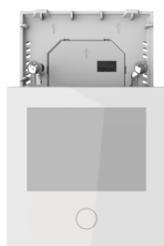
Step 3   Step 4

Wiring instructions

L/N: Plugged into power supply.
L1/N1: Connected to heating device.
SENSOR: Connected to external sensor.

POWER
85-265 VAC
50/60 Hz
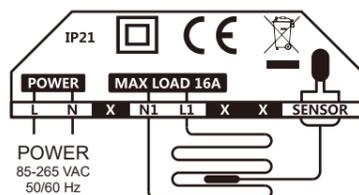
Dimension(mm)
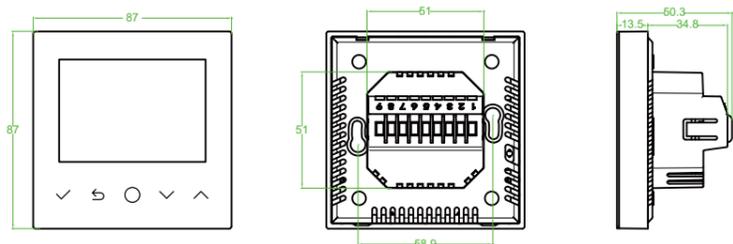
Display interface
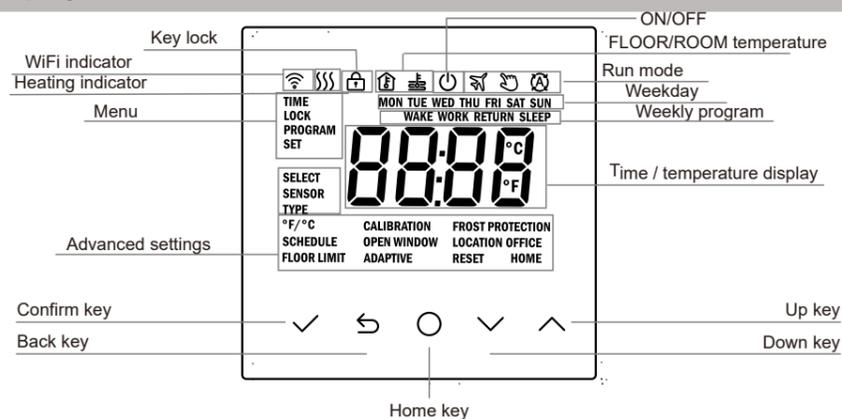
WiFi Connection (for WIFI version only)

Step 1: Download 'Valleytech' from APP store/Google Play.
Step 2: Register and log in with mobile number or email address in the APP.
Step 3: Click 'Add Device' or '+' on the top-right to add device.
Step 4: Click 'Wifi Thermostat'
Step 5: Enter Wifi password, and make sure the WIFI icon is flashing quickly.
Step 6: After a device is added successfully, you may change the device name.
  Attention: If failed, please confirm the Wifi is 2.4G version and check the Wifi signals or check if there are too many devices connected to the router. If there are no exceptions, try the 'Other mode--AP mode' to connect again. If it still fails, please contact a professional.
  Step 7: You can set temperature and run mode and check the real-time temperature at Home interface.

Operations

Quick temperature setting
  Tap the Home Key and press ▲ or ▼ to select required temperature.
  Note: Under automatic mode, your selected temperature will only remian until the end of the current programme period. And it will not change your programme parameter.

On/Off
  Press and hold the Home key for 3 seconds to turn it ON or OFF.

Mode selection
  This thermostat provides three operating modes:

Automatic mode: This mold allows you to set "On" and "Off" periods to suit your own lifestyle. You can choose what times you want the heating to be on and what temperature it should reach at different times of the day (and days of the week) to meet your particular needs and preferences.
Setup steps:
  Tap Home key to enter the mode selection.
  Tap ▲ or ▼ to choose the Automatic mode.
  Tap confirm key to enter the Automatic mode to set the temperature.
  Tap ▲ or ▼ to set the temperature.
  Tap confirm key.

Hold mode: This mode allows you to choose a continous running temperature.
Setup steps:
  Tap Home key to enter the mode selection.
  Tap ▲ or ▼ to choose the Hold mode.
  Tap confirm key to enter the Hold mode to set the temperature.
  Tap ▲ or ▼ to set the temperature.
  Tap confirm key.

Holiday mode: This mode is suitable for long-term business trips, vacations, etc. In this mode, the thermostat reduces the set temperature in your home to the frost protection temperature. When the holiday ends, it automatically return to the program mode.
Setup steps:
  Tap Home key to enter the mode selection
  Tap ▲ or ▼ to choose the Holiday mode.
  Tap confirm key to enter the days setting.
  Tap ▲ or ▼ to set holiday days.
  Tap confirm key to enter the temperature setting.
  Tap ▲ or ▼ to set the temperature.
  Tap confirm key.

Menu Settings
1. Time
  Set the current real time and day of the week.
Setup steps:
  Press and hold the confirm key for 3 seconds to enter the Menu settings.
  Tap confirm key to enter the weekday setting.
  Tap ▲ or ▼ to select the weekday.
  Tap confirm key to enter the hour and minute setting.
  Tap ▲ or ▼ to select the hour and minute.
  Tap confirm key

2. Lock
  Lock all keys.
Setup steps:
  Tap ▲ or ▼ to choose LOCK.
  Tap confirm key to enter the Lock setting.
  Tap ▲ or ▼ to choose YES.
  Tap confirm key.
Cancel steps:
  Press and hold the back key for 3 seconds to unlock.

3. Weekly program
  Set the periods of a day, set the temperatures of a period, and set days of a week. This program runs under Automatic mode.

Setup steps:
  Tap ▲ or ▼ to choose event.
  Tap confirm key to enter the weekday setting.
  Tap ▲ or ▼ to select the weekday.
  Tap confirm key to enter the Event selection of a day.
  Tap ▲ or ▼ to select the Event you want to modify.
  Tap confirm key to enter the hour setting.
  Tap ▲ or ▼ to select the hour of the start time.
  Tap confirm key to enter the minute setting.
  Tap ▲ or ▼ to select the minute of the start time.
  Tap confirm key to enter the temperature setting of the current event .
  Tap ▲ or ▼ to select the temperature required.
  Tap confirm key.
  Repeat the steps above to continue setting the parameters or tap the back key to go back.

Weekly program default parameters

	DAY	EVENT 1	EVENT 2	EVENT 3	EVENT 4
HOME	**Mon-Fri**	WAKE 06:00 20°C	LEAVE 08:30 15°C	BACK 17:00 20°C	SLEEP 23:00 15°C
	Sat-Sun	WAKE 06:00 20°C	LEAVE 08:30 20°C	BACK 17:00 20°C	SLEEP 23:00 15°C
OFFICE	**Mon-Fri**	WORK 07:00 20°C	OFF 18:00 15°C		
	Sat-Sun	WORK 07:00 15°C	OFF 18:00 15°C		

4. Advanced settings
  In addition to the above common functions, the thermostat also provides a number of settings for more occasions. It should be noted that such settings need to be set by professional technicians to avoid damage caused by abnormal settings.
Setup steps:
  Tap ▲ or ▼ to select Set.
  Tap confirm key to enter Settings.
  Tap ▲ or ▼ to select the options.
  Tap confirm key to enter the parameter setting.

NAME	DEFAULT PARAMETER	SETTING RANGE
Select Sensor	Floor	Floor / Room / Floor+Room
Sensor Type	0-10	0-10 / 1-10 / 2-12
Calibration-Floor	0°C	-5°C -- 5°C
Calibration-Room	0°C	-5°C -- 5°C
Floor.Limit	35°C	20°C -- 50°C
Schedule	5-1-1	5-1-1 / 7
Adaptive	NO	NO / YES
Anti-freeze	NO	NO / YES
Location	Home	Home / Office
°F/°C	°C	°F / °C
Reset	NO	NO / YES

Setting instructions
A.Select Sensor
  Select the temperature of the controlled room or floor.
  Room   : Control the room temperature.
  Floor   : Control the floor temperature.
  Floor+Room: Monitor the Floor temperature while controlling the room temperature. If the Floor temperature exceeds Floor.Limit, then stop heating.

B. Sensor Type
  This thermostat is compatible with three types of floor sensors. When the installed floor sensor is one of the three, there is no need to replace the floor sensor. Select the floor sensor of the corresponding model here, and the thermostat can be used normally.

Parameters as following

Temperature	0-10kΩ/25°C	1-10kΩ/25°C	2-12kΩ/25°C
00.0°C	26.1kΩ	30.3kΩ	34.4kΩ
25.0°C	10.0kΩ	10.0kΩ	12.0kΩ
50.0°C	4.16kΩ	3.83kΩ	4.71kΩ

C. Temperature calibration
  Correct the thermostat display temperature to the same as the actual temperature.

D. Floor.Limit
  When the sensor chooses Floor+Room, the thermostat controls the Room temperature while monitoring the Floor temperature to ensure that the Floor temperature does not exceed Floor.Limit to protect the Floor.

E. Schedule
  5-1-1: Phase parameters from Monday to Friday can be set at the same time, and phase parameters from Saturday and Sunday can be set separately.
  7: The phase parameters can be set differently from Monday to Sunday.

F. Adaptive function
  After this function is enabled in Automatic mode,the thermostat will work in advance so that when the start time of each stage arrives, the detected temperature will be close to the set temperature.

G. Anti-freeze protection
  After turning on this function, the thermostat will maintain the temperature at about 5℃ in the shutdown state to prphase the temperature from getting too low.

H. Location
  This thermostat provides two typical application scenarios: Office and Home.
  In the Office scenario, the thermostat in automatic mode divides the day into two phases:
  the working phase with a comfortable temperature and the non-working phase with a lower set
  temperature. In the Home scenario, the thermostat in automatic mode divides the day into four phases:

waking up, coming home with a comfortable temperature, leaving home and sleeping with a lower temperature.

I. °F/°C
  This thermostat supports switching between Fahrenheit and Celsius.

J. Reset
  Reset all thermostat parameters.

Fault alarm

Note: when a fault alarm occurs, please contact professional technical personnel to solve.
E1: Built-in probe failure.
E2: External probe failure.

V1.1