GS368

SMART THERMOSTAT TRIM KIT

User Manual

GS368

User Manual
Please read this manual carefully and keep it

Contents

1. Product Overview

GS368 temperature controller is a constant temperature controller that controls the HVAC system, providing comfortable temperature and environment while reducing energy waste and saving energy costs. 24VAC power supply, with built-in Dry cell as standby power supply, can still operate and maintain status in case of external power failure. This product has a built-in WIFI+BLE communication module, which can achieve data sharing among various intelligent modules and achieve more precise control. In addition, more settings from the cloud and APP make control more humane and intelligent.

2.Name's the product parts

1)Temperature display area:
Display of target temperature and system prompt information.
2)Cooling button:
Refrigeration control button and status display.
3)Heating button:
Heating control button and status display.
4)Fan button:
Fan control button and status display.

5)ECO button:

The ECO button and status display will automatically adjust the target temperature according to the pre-programmed time period and temperature when starting the energy-saving mode, so as to achieve the purpose of comfort and energy saving.

6)down button

Click to reduce the target temperature, and long press it for more than three seconds to start the continuous reduction.

7)UP button:

Click to increase the target temperature and hold for more than three seconds to start increasing continuously.8)

Reset button:

Short press to restart, long press for three seconds to enter Bluetooth network pairing mode, and long press for five seconds to restore factory settings.

9)Battery compartment.:

It can be powered by two AAA batteries as a backup power source.

10)System wiring terminal:

O/B: Control of hot/cold direction change for HP (Heat Pump) system. W/ALIX: Heating control for HVAC system, auxiliary heating control for HP (Heat Pump) system.R or RC: 24V AC power supply terminal. C: 24V AC common terminal.Y: HVAC system can provide cooling, and HP system can provide both cooling and heating.G: Fan Control Terminal
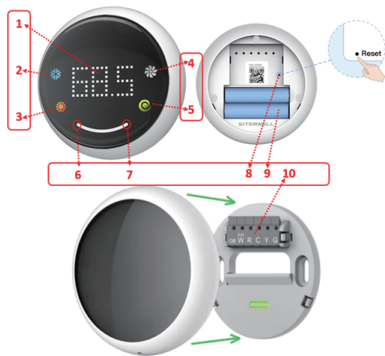
3.Installation instructions

3.1 System types and wiring

The HVAC system and HP (heat pump) system are the two main categories of building heating, ventilation, and air conditioning systems. The HP system can be further divided into HP-0 and HP-B systems, with different wiring and control methods for each of the three systems.

A typical HVAC system usually has five wires labeled R(RC), C, W, Y, and G. The wiring for the GS368 is shown in the following diagram（picture3.1）:
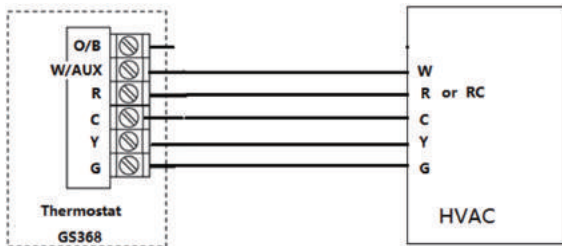
picture3.1

3.2 Install S368

1)Preparing installation tools. The following tools are ones that you might use.

- Phillips screwdriver
- Flathead screwdriver
- Flashlight
- Pliers and wire strippers
- Power drill
- Thermostat Trim Kit

2)Make sure to turn off the power.
Use the main switch or circuit breaker to turn off the HVAC system;
This is very important for your safety (picture 3.2.1).

3)Remove the old thermostat

Many thermostats simply pop or loosen from the base, and some may require unscrewing (picture 3.2.2).

4)Check the high voltage line
GS368 does not support systems with high voltage; Confirm that your thermostat backplate has these indicators to distinguish whether high pressure is supported (120VAC or 240VAC); The first use also needs to be configured in the app (picture 3.2.3).
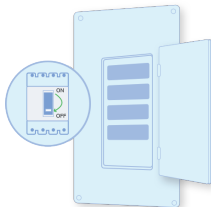
picture 3.2.1

picture 3.2.2
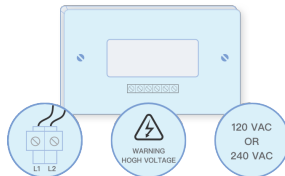
picture 3.2.3

5)Remove the wires
Be careful to disconnect the old thermostat one at a time (picture 3.2.3).
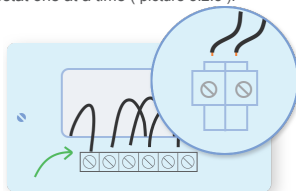
picture 3.2.3

6)Label the wires
When configuring the device in the app, you need to select the appropriate wire. Please refer to the description and color below to label the wire.
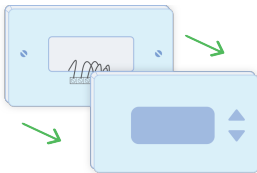Ps: The wire colors are generally standard, but if the wire colors in your home do not match the colors we have provided, please select according to your actual situation. In this case, the wire colors can be ignored (picture 3.2.4).

R	RC	RH	C
W	E	AUX	Y
G	O	B	
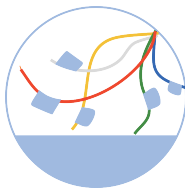
picture 3.2.4

7)Remove the old backplane
Remove the old thermostat back plate from the wall with a screwdriver, and only wires remain on the wall (picture 3.2.5).

8)Install the decorative panels
Decorative panels are useful if you want to hide the marks or holes left by the old thermostat in the wall; If using trim plates, align the mounting bolts on the trim plate and backplate and press them into place together (picture 3.2.6).

9)Install the backplane
Thread the wires through the hole in the middle of the backplate and attach the backplane to the wall using the drywall anchors and screws provided; The bubble level is embedded in the back plate, and the bubble is in the middle position during installation to ensure the horizontal installation of the equipment (picture 3.2.7);

picture 3.2.5   picture 3.2.6   picture 3.2.7
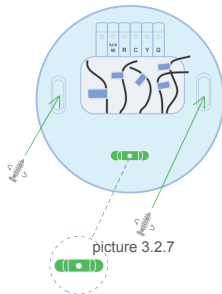
10)Plug in the wire

Insert the wires under the corresponding terminal block and make sure they are securely connected, then carefully push the excess wires back into the holes (picture 3.2.8);
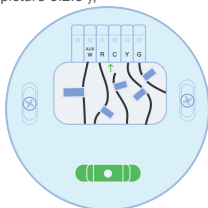
picture 3.2.8

11)Install the battery

Find two AAA batteries in the GS368 decoration kit and place them in the battery bay, paying attention to the positive and negative directions of the batteries (picture 3.2.9).
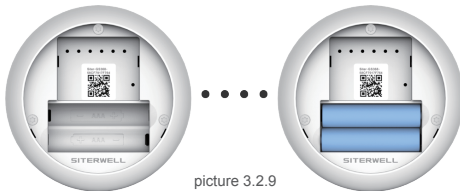
picture 3.2.9

12)Cover the panel
Gently press the GS368 into the backplate until it "clicks" into place (picture 3.2.9).

13)Turn on the power

Use the main switch or circuit breaker to reconnect the power to the temperature control system(picture 3.2.10).
The end, your thermostat has been installed, and you also need to connect the thermostat to WIFI to configure the thermostat (picture 3.2.10).
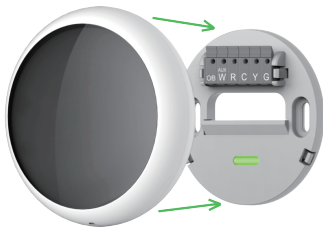
picture 3.2.9
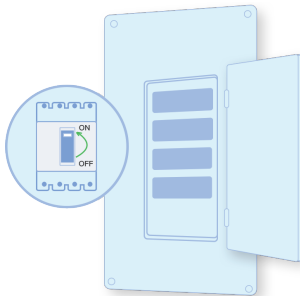
picture 3.2.10

4.Functions and Operation

4.1 APP download and registration

1)Download Siterwell Link app:

Go to the App Store or Google Play and search for Siterwell Link to download.You can also scan the QR code below to download.

2)Sign up for an account
Open the APP to appear the following interface, click "Register" in the upper right corner to register an account.
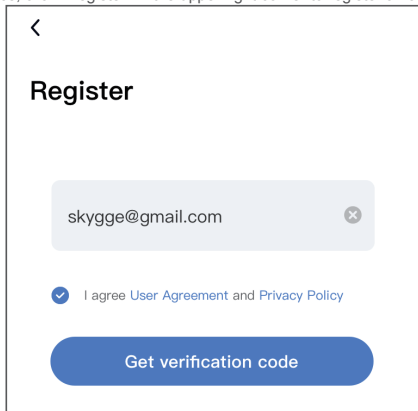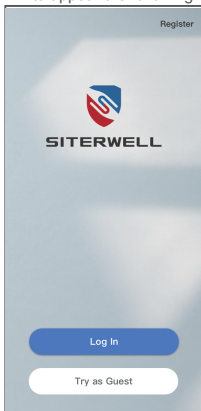
Please read the "User Agreement" and "Privacy Policy" carefully, check "I agree to the User Agreement and Privacy Policy", if you do not agree, you agree to the User Agreement and Privacy Policy", if you do not agree, you can stop registering and using the APP; After entering your personal email address, then click "Get verification code" to register.

Enter the verification code in your new email and click Verify; After the verification is passed, a green icon will appear as follows.

←

Input verification code

The verification code has been sent to your email: 605114943@qq.com

| 1 | 2 | 3 | 4 | 5 | 3 |

Resend (34s)

Verification

‹

Set password

Password

The value contains 6 to 20 characters, including letters and numbers

Complete

After the verification is passed, set the user password to complete the registration.

3)Set up the phone:
Because using the app requires Bluetooth, Wi-Fi and location services from your phone, please make sure that you have enabled these features in your phone's settings.

4.2 Networking and Binding:

Please open the Siterwell Link app and tap on the "Add Device" button or the "+" icon on the top right corner to add a device.

If the device is already in networking mode (factory default is on), its corresponding icon will appear in the scan results, as shown below. Please click on the corresponding device to proceed with networking. (Upon initial use, a prompt requesting permission to access Bluetooth will appear. Please click "Agree" in order to proceed with the Bluetooth pairing process.) If the device is not detected for an extended period of time, you may click on "Manual Add" and follow the prompts to enter pairing mode. This involves toggling the device's "Bluetooth Broadcast Mode" and then clicking the "Device Has Been Reset" button. Additionally, you may view the installation instructions by clicking on "Install New Thermostat".

Based on the current circumstances, please follow the steps below to enable Bluetooth broadcasting on the device end:
Scenario 1 - New Device Configuration: No action is required.

10:21

≡

☁️ Cloudy

13°C   77.3%
Outdoor temp   Outdoor hum

All device   living room   bedroom

No device

Add device

10:21

‹

Add device

Please keep your phone as close as possible to the device you want to add

Find the following devices nearby

siter~xxxxx

Add Manually
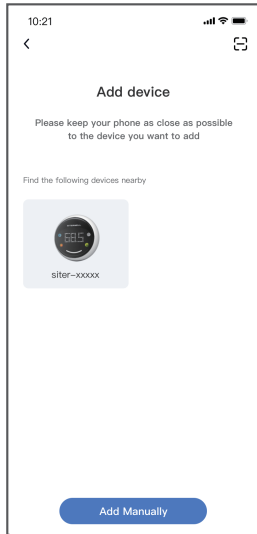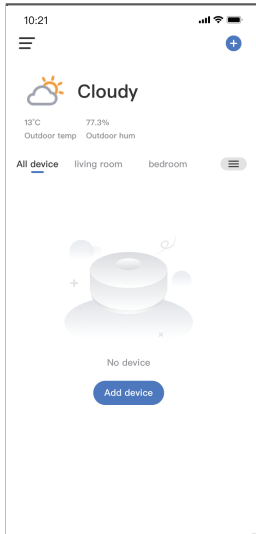
Scenario 2 - Old Device Enters Configuration Mode: Press and hold the reset button on the back of the device for 0.1-2 seconds. The device will emit two beeping sounds. After releasing the button, a smiling face will blink on the display screen.

Scenario 3 - Old Device Reset: Press and hold the reset button on the back of the device for more than 5 seconds. The device will emit three beeping sounds. After releasing the button, a smiling face will blink on the display screen.

When the Reset button is pressed for a duration between 2 to 5 seconds, which is indicated by two consecutive beeps, followed by three consecutive beeps, release the Reset button. This would result in no changes to the device and would be considered an invalid operation. Please select the Wi-Fi network you are currently using and enter its corresponding password. The app may ask for authorization to access your location information during the first use, in order to obtain local weather information in the future.

‹

Reset device

Press and hold the reset key for more than 6 seconds until the indicator flashes

• Reset

SITERWELL

Install your new thermostat >>

Device reset

Connect to Wi-Fi

Choose the Wi-Fi network you would like to user

Wi-Fi for adding devices (2.4GHz)

siter 📶

RDZN003 📶

PDCN 📶

TP-LINK_4CBB 📶

jishu001 📶

RD-Test 📶

Wi-Fi without adding devices (5GHz)

PDCN-5G 📶

ⓘ IMPORTANT: This device only supports 2.4Ghz Wi-Fi , if your Wi-Fi is 5GHz, please set it to 2.4GHz first.

Next

Click "Next" to access the network configuration interface, and wait for the network configuration result. In case of failure, an error code will be displayed.

Once network configuration is successful, you can start setting up and controlling your device.

Connecting

This might take a minute...

Data is being transferred to the device...

01:59

Connecting

This might take a minute...

Complete

Connect Failed

Error code:1106, The device does not respond after sending ssid

① Check whether the vehicle device is in distribution network mode

② Check whether the Wi Fi password you filled in is correct and be within the reach of your router

③ You can only use 2.4GHz WIFI networks, make sure your router is set up correctly.

④ The SSID or password of your router may contain spaces.

Retry

4.3 Thermostat Configuration

After your device successfully connects to the network, the app will prompt you to perform some necessary configurations, as follows:

1)Select Room

Choose a room with a thermostat or create a new room to organize your devices. You may also skip this step and make a selection later.

2)Naming Device

Give your thermostat a unique name for easy voice control in the future.

Alternatively, you may skip this step and set the name later.

3)Setting Scheduled Tasks

You need a few minutes, you can pre-set the temperature, or create a time plan that is comfortable for you.

Where is this device?

Choose the location of your GS368.
This will help you organize your devices

living room

bedroom

kitchen ✓

cloakroom

Skip   Next

Create a unique name

Give your Thermostat a unique name so you don't mix it up with other devices in the same room

Create a unique name
Siter

Skip   Next

Screen 1

<

Here's what you'll need to do

It should onl y take a few monments

1. Set temperature presets
   Customize temperatures for when you'er home,away,ands sipeeping.

2. Create a schedul
   Choose when to use you temperature presets

Next

Screen 2

<

Customize your temperatire presets

Tap each item to customize the temperatires. Review and edit if you want to make a change

Comfort
Stay comfortable when you're home
🔴 66 · ⚙ 74

Save energy
Save energy when no one's home
🔴 55 · ⚙ 76

Sleep
Get comfy and save energy at bedtime
🔴 60 · ⚙ 75

Create custom

Next

Screen 3

<

Review your schedule

We create a schedule for you. Review and edit if you want to make a change

Mon   Tue   Wed   Thu   Fri

Comfort
67 75   6:00 am

Save energy
56 82   9:00 am

Comfort
67 75   5:00 pm

Sleep
66 75   10:00 pm

+ Add

Next

4)System Selection
If your device is brand new or has been restored to its factory settings, upon entering the control page, you will be prompted to select the control line for your thermostat system (as shown below). The app will use your selection to determine which type of system you are using. Once you have made your selection, click on "Next."

<

Which of these wires do you have?

These are some of the other wires your system might use

Common wires

| R | RC | RH | C |

| W/W1 | Y/Y1 | G |

Less common wires

| W/AUX | W1/AUX | AUX |

| O | B | O/B |

Next

4.4 Control Device

4.4.1 Temperature Regulation

Click on the left end of the "arc" on the device or the ,,-n icon on the app to decrease the temperature.

Click on the right end of the "arc" on the device or the icon on the app to increase the temperature.

Press and hold the device for more than three seconds to continuously decrease or increase the temperature.

You can remotely control the HVAC temperature settings by sliding the arc-shaped slider on the app.

4.4.2 Cooling

You can turn on or off the cooling mode by clicking the "snowflake button" on the device or in the app.

PS: The cooling and heating modes cannot be turned on simultaneously.

4.4.3 Heating

You can turn on or off the heating mode by clicking the "sun button" on the device or in the app.

PS: The cooling and heating modes cannot be turned on simultaneously.

4.4.4 Fan.

By clicking the "fan button" on the device or app, you can turn on or off the fan mode.

4.4.5 ECO

By clicking the "leaf button" on the device or app, you can turn on or off the ECO mode.

4.5 To set the thermostat

To access the device settings page, click on the gear icon located at the top right corner of the main interface. From there, you can set HVAC scheduled tasks, adjust the display units, and fine-tune control precision.

4.5.1To set the units

On the settings page of the app , you can select the temperature unit between Celsius and Fahrenheit by toggling between the "band ^,0F,, options.

4.5.2To set Control Precision

By clicking "Control Precision" on the settings page of the app, you can choose the temperature control precision for each increment or decrement, with the adjustment range being 0.5,1.0,1.5, and 2.0.
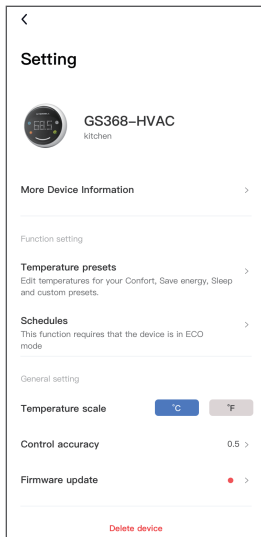
4.5.3Temperature Programming - Setting Time.

To set the time for temperature programming, click on "schedule" in the settings page of the app. You can set up to five schedules per day for each day of the week.

4.5.4Temperature Programming - Temperature Preset Value

To set the temperature for temperature programming, click on "temperature presets" in the settings page of the app. The system comes with threedefault temperature modes, but users can also create custom modes and set independent cooling and heating temperatures for each mode.

4.5.5 Device Information

Clicking "More Device Information" on the app settings page allows you to view other basic information about the device, including its name, firmware version, and hardware version. You can also click to modify the room and device name. Clicking on the firmware version will take you to the OTA upgrade page.

‹

Setting

GS368–HVAC
kitchen

More Device Information   ›

Function setting

Temperature presets   ›
Edit temperatures for your Confort, Save energy, Sleep
and custom presets.

Schedules   ›
This function requires that the device is in ECO
mode

General setting

Temperature scale   °C   °F

Control accuracy   0.5 ›

Firmware update   ● ›

Delete device

Screen 1

<

More Device Information

HVAC
Product manual >

Room
Kitchen >

Custom name
GS368A >

Battery level   Normal >

ThingName   123456789

Connected router   siter

System type   HVAC

Software

Version   1.0.0_2

Hardware

Mac address   123456789

Version   1.0.0_1

Screen 2

<

Customize your temperature presets

Tap each item to customize the temperatires.
Review and edit if you want to make a change

♡ **Comfort**
Stay comfortable when you're home
🔴 66 · ⚙ 74

🌿 **Save energy**
Save energy when no one's home
🔴 55 · ⚙ 76

☾ **Sleep**
Get comfy and save energy at bedtime
🔴 60 · ⚙ 75

[Create custom]

[Next]

Screen 3

<   ⋮

Schedules

Mon   **Tue**   Wed   Thu   Fri

♡ **Comfort**   6:00 am
67 75

🌿 **Eco**   9:00 am
56 82

♡ **Comfort**   5:00 pm
67 75

☾ **Sleep**   10:00 pm
65 75

[+ Add]

Copy Tuesday schedule

4.6 Firmware upgrade

By clicking on the firmware version on the "More Device Information" page of the app, you can access the OTA upgrade page. If a new firmware version is detected, you can proceed with the firmware upgrade.

<

Firmware version

The current firmware is the latest

Current version 1.0.0_0021

Refresh
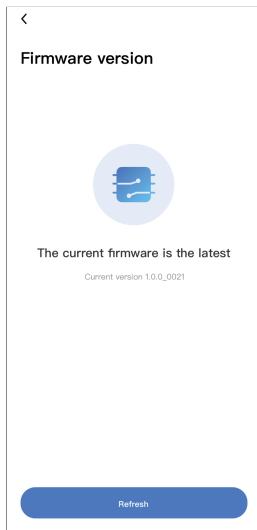
4.7 Voice control

4.7.1 Alexa

After opening the "Amazon Alexa" app, go to "More" >> "Skills & Games". Search for "Siterwell Voice" and enter the Siterwell Link account password to authorize by clicking "ENABLE TO USE", as shown in the picture below:
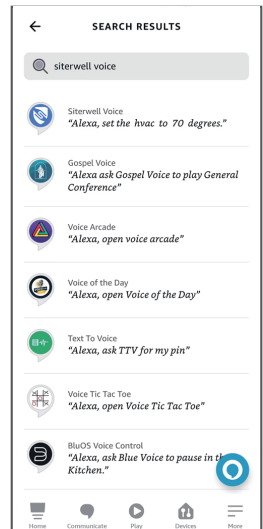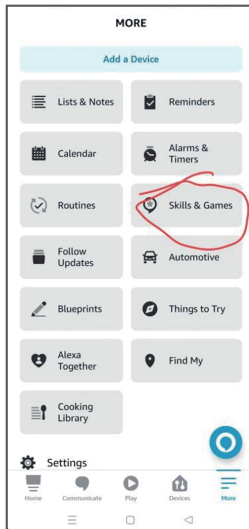
Once the authorization is complete, you can use voice control via "Alexa Assistant" or "Alexa Speaker" to control your GS368.
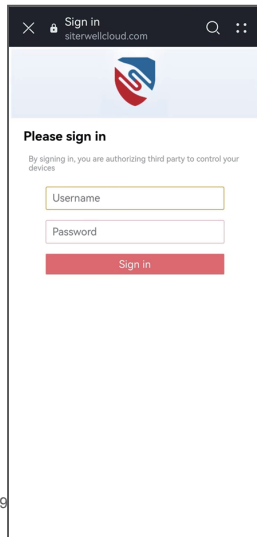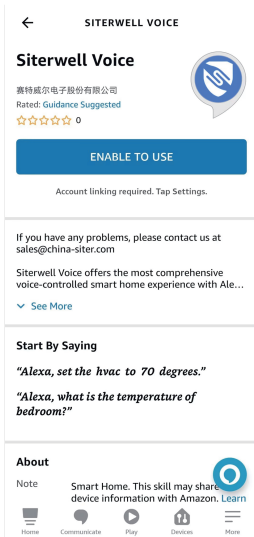
4.7.2 Echo

Please open the "Google Home" app, go to "Devices" >> "Add" >> "Works with Google", search for "Siterwell Voice", and then click on "Siterwell Voice" to go to the authorization page. Enter the password for "Siterwell Link" to complete the authorization process, as shown in the following image:
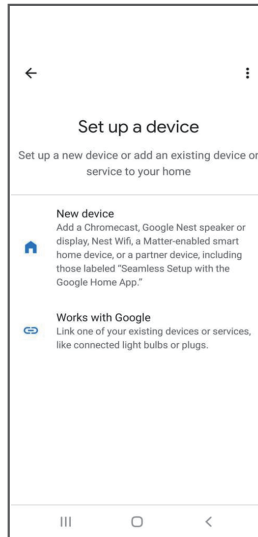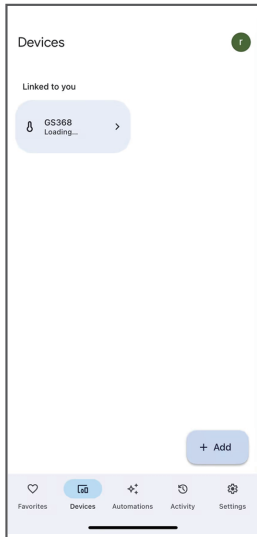
After completing the authorization process, you will be able to control your GS368 using voice commands through the "Echo Speaker".

✕	siter	🔍

Add new

🔵 Siterwell Voice

✕   🔒 **Sign in**
siterwellcloud.com   🔍   ⠸

Please sign in

By signing in, you are authorizing third party to control your devices

Username

Password

Sign in
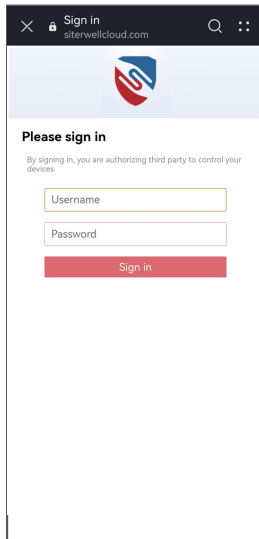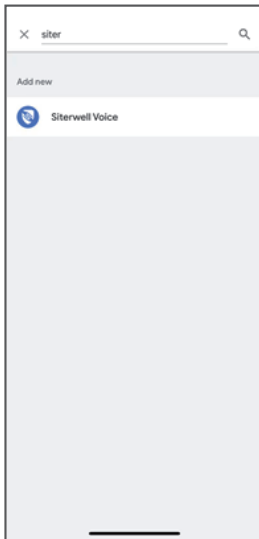
5. FAQ

5.1What is an HVAC thermostat?
An HVAC thermostat is a device used to control heating, ventilation, and air conditioning systems. It monitors indoor temperature, humidity, air quality and other parameters, and adjusts the valves, fans, heaters, and coolers in the HVAC system to maintain a comfortable indoor temperature. There are different types of HVAC thermostats, including manual adjustment, programmable control, and intelligent self-learning, which can be chosen according to the users needs and preferences.

5.2How does an HVAC thermostat work?
An HVAC thermostat typically consists of three main components: the sensor, controller, and actuator. The sensor is usually installed indoors and is used to monitor parameters such as temperature, humidity, CO_2 concentration, etc. The sensor transmits the collected data to the controller.
The controller is the core component of the thermostat, which determines whether the indoor environment needs to be adjusted based on the data transmitted by the sensor, and calculates the corresponding adjustment signal. In manual adjustment thermostats, users can directly adjust the temperature through the knob or button on the controller. However, in programmable and intelligent self-learning thermostats, users need to set the temperature range, start and end time, and other parameters in advance. The controller will automatically adjust the temperature based on the preset program.
The actuator is usually located in the heating, ventilation, and air conditioning system, including valves, fans, heaters, and coolers. The controller adjusts the operation of the heating, ventilation, and air conditioning system through the actuator to maintain a comfortable indoor environment temperature.
In summary, an HVAC thermostat uses the three components of sensor, controller, and actuator to work together, achieving the function of automatic or semi-automatic adjustment of indoor environment temperature.

5.3 The main function of Thermostat?

Remote Control: Adjust your thermostat anytime, anywhere using the mobile app and dial in your perfect temperature settings.

Fault Monitoring: Monitor your heating and cooling systems and receive alerts via the app in case of any malfunction, making maintenance a breeze.

Energy Saving: Optimize your energy usage by adjusting to the best energy-saving temperature based on time and room temperature, with flexible scheduling and remote access.

Precision Temperature Control: Utilizing high-quality temperature sensors, achieve precise temperature regulation with 0.5 degrees Fahrenheit/Cel-sius accuracy for ultimate comfort.

Automatic Light Adjustment: The device interface automatically adjusts its brightness based on ambient light, providing optimal visibility in any lighting condition.

Touch Screen: When you touch the functional icons, the device provides an audible prompt.

Voice Control: Adjust your thermostat using voice commands with Alexa or Google Assistant compatibility.

5.4 What are the differences between a smart thermostat and a traditional thermostat?

The primary differences between a smart thermostat and a traditional thermostat are as follows:

1.Connectivity: A smart thermostat can connect to other smart devices through wireless means such as Wi-Fi and Bluetooth, whereas a traditional thermostat is typically limited to wired connections.

2.Operation: A smart thermostat offers greater flexibility with remote control through devices such as phones and computers, while a traditional thermostat usually requires manual adjustment or limited remote control through a remote.

3.Functionality: Smart thermostats typically offer more features such as voice control, automatic adjustment, learning capabilities, and scheduling, which can all be customized to meet user needs. In contrast, traditional thermostats tend to have fewer features.

4. Energy Efficiency: A smart thermostat can achieve precise temperature control, improve energy efficiency, and reduce energy consumption. On the other hand, traditional thermostats are prone to energy waste.

5.5 How to install and set up an HVAC thermostat?

Instructions for Installing HVAC Thermostat:

Step 1: Remove the old thermostat from the wall and check the wiring connections.

Step 2: Determine if you need to enlarge the hole on the wall based on the thickness and size of the new thermostat.

Step 3: Follow the instructions provided with the new thermostat to mount it on the wall. Typically, you will need screws and a mounting plate to secure the thermostat on the wall.

Step 4: Insert the wires into the connection holes of the new thermostat. Make sure all wires are correctly connected and secured with screws. Step 5: Install the panel of the new thermostat onto the base to protect its internal electronic components. Now you should be able to turn on the power and test if the new thermostat is functioning properly.

Instructions for Setting up HVAC Thermostat:

Step 1: Follow the instructions in the user manual to set the temperature range, adjustment time, and other related parameters on the new thermostat.

Step 2: Connect the thermostat to your HVAC/heat pump system. By adjusting the settings on the thermostat, you can control the indoor temperature.

Step 3: Test if the newly set thermostat is working properly. Wait for a few hours, allowing the thermostat to automatically adjust the indoor temperature. By observing the operation of the HVAC/heat pump system and the changes in indoor temperature, you can determine if the thermostat is operating as expected.

Step 4: Adjust the operation mode of the HVAC/heat pump system based on your temperature settings. This usually includes changing parameters such as heating, cooling, and fan modes.

Step 5: If the thermostat is equipped with batteries, regularly check the battery level of the thermostat (the device will also send warning messages to the APP in case it is in low voltage status) and replace the batteries to ensure the thermostat is working properly during use.

5.6 Can an HVAC thermostat be used with all types of heating and air conditioning systems?
Not all types of heating and air conditioning systems are compatible with every type of HVAC thermostat. Different HVAC systems may require different types of thermostats. For example, some HVAC systems use DC power while others use AC power. Therefore, if you are installing a new HVAC thermostat, ensure that it is compatible with your HW\C system and complies with the manufacturer's instructions. If you are unsure, seek assistance from a professional technician.

5.7Do HVAC thermostats require maintenance?
Here are some maintenance suggestions:
Cleanliness: Regularly clean the surface and buttons of the thermostat to avoid dust or other debris from entering the internal components.
Calibration: Regularly calibrate the thermostat to ensure the temperature display is accurate.
Battery Replacement: If your thermostat uses batteries, replace them regularly to ensure proper operation.
Regularly Check Connections: Check the connections between the thermostat and the HVAC/heat pump system to see if they are loose or corroded, and repair them promptly.
Follow the Instruction Manual: Make sure to follow the manufacturer's recommendations provided in the instruction manual to ensure proper use of the thermostat.
Note that if you encounter maintenance difficulties, installation problems, or other issues, please consult a professional technician without attempting to fix the issue yourself.

5.8What should I do if my HVAC thermostat fails?
Check the power supply: First check whether the thermostat is powered on. Check that the power cord is connected to the outlet to make sure there are no power supply issues.
Replace the battery: The thermostat uses 2 AAA batteries, try to replace the new batteries and make sure they are installed correctly.

Calibrate temperature: If the temperature displayed by the thermostat is inaccurate, calibrate it according to the instruction manual to ensure that the temperature display is correct.

Reboot the device: Sometimes restarting the thermostat and HVAC/heat pump system can fix some issues. You can try to power off the thermostat from the power supply and restart it, or reset the device to factory reset. Seek professional help: If you still can't resolve the issue, contact a professional technician for troubleshooting and fixing.

Please note that do not disassemble or change the internal parts of the thermostat yourself. This can cause the device to fail, causing serious security issues.

5.9 How to determine the fault problem of the HVAC thermostat?

Check the power supply: First make sure that the power supply of the thermostat is working properly. Check the power switch and power connections to make sure they are securely connected together.

Check wire connections: Check all wire connections to make sure they are not broken or loose. Reinsert any loose connections and use electrical insulation tape to keep them in place.

Check thermostat settings: Check the thermostat settings to make sure they are correct. Confirm that the set temperature matches the actual temperature.

Check the HVAC/Heat Pump System: Finally, check that the HVAC/Heat Pump System is working properly, if not, it could be the source of the problem.

If you are unable to resolve the fault, please contact a professional HVAC technician for further servicing and repair.

5.10Thermostat does not work after installation?

Important: Before using the thermostat, be sure to turn off the power to the heating and cooling system at the circuit breaker box or the system's main power switch. Verify that the power is turned off before starting the installation.

The wires are connected, but the device is not receiving power.

Check that the power to the HVAC/heat pump system is turned on at the circuit breaker or system switch.

Ensure that the circuit breaker or fuse of the HVAC/heat pump system has not blown during installation. If the power is not turned off first, or if the wire tip is touched during installation, the circuit breaker or fuse may blow.

5.11 The thermostat cannot be heated or cooled?

If your thermostat does not turn on heating, cooling below the set temperature, or heating above the set temperature, check the wiring first. Important: Before you start using a thermostat or heating and cooling system (HVAC/heat pump), be sure to turn off the power supply to your HVAC/heat pump. Turn off the power supply to the circuit breaker box or system main power switch. Confirm that the power is turned off before removing the device panel. You can verify that the power is turned off by confirming that the screen is blank. Do not touch any exposed wire ends.

To troubleshoot your Amazon Smart Thermostat:

Confirm the system type, there are two types of thermostats: HVAC system and heat pump system

The basis for judgment is: after the heating system is running, return to the outdoor unit to check whether the device is turned on and blow. If it is running and blowing, the system is a heat pump; Otherwise, it is a traditional system.

Check that the Alexa app is wired correctly.

In an HVAC system, there is a W connection in addition to R, Y, G, C.

In a heat pump system, in addition to R, Y, G, C, there are AUX and 0 / B connections.

Note: W and AUX share a single terminal

Move the wires to the correct terminals as needed.

If you moved any wires, reset the device. Then restart the setup and confirm that the selected system wiring is correct.

5.12 What are the fan modes of the thermostat and how they work?

The fan is available in both automatic and manual modes

Auto mode (fan mode will also turn on/off synchronously when cooling or heating mode is on/off)

Manual mode (fan runs individually on/off, independent of cooling and heating modes)

5.13How does the infrared of the device detect the movement of the human body and what is the distance of detection?

The infrared sensor detects a movement distance of within 50cm (including 50cm) of the human body.

If the device is powered by an AC power source, it will enter sleep mode after 3 minutes of no human operation and can be awakened by a person approaching the device.

If the device is battery-powered, it will enter sleep mode and detection will require a person to touch the device.

5.14Can multiple thermostats be installed in one house?

Usually, one or more HVAC thermostats are installed depending on the size and layout of the house. Generally, one HVAC thermostat is sufficient to control the entire HVAC system of a house. However, if the house has multiple floors or independent HVAC systems, multiple thermostats may be necessary to control the temperature of each zone or system.

5.15Can't air conditioners be set to a specific temperature directly? Why do we need to use an HVAC thermostat to adjust the temperature?

Air conditioning is a device in HVAC system used to control indoor temperature and humidity. It absorbs heat from the indoor air and discharges it outside to lower the indoor temperature. An air conditioning system typically consists of a compressor, condenser, evaporator, fan, and control circuit. Air conditioning can be manually or automatically controlled to regulate the temperature and humidity, providing a comfortable indoor environment.

A thermostat is a control device in the HVAC system used to control the operation of air conditioning or other heating, ventilation, and air conditioning equipment to achieve the set temperature and humidity. A thermostat typically consists of a temperature sensor and control circuit, and it can adjust the operation of air conditioning or other equipment manually or automatically to ensure that the indoor temperature and humidity remain within the set range.

Advantages of a thermostat are:

1.It can control temperature more accurately: A thermostat can achieve constant temperature control based on indoor temperature settings, which is more precise than air conditioning.

2.Energy saving: Using a thermostat can precisely adjust the indoor temperature according to demand, avoiding waste of energy, and achieving energy-saving effect.

3.Easy installation: A thermostat can be relatively easily installed on the wall without major modifications.

Therefore, air conditioning and thermostat are two different parts of the HVAC system. Air conditioning is used to control indoor temperature and humidity, while a thermostat is used to control the operation of air conditioning or other equipment to achieve the set temperature and humidity.

6.Product specifications

Model:GS368

2.4GHz Smart Thermostat

Product Standards: UL60730-2-9、FCC、ENERGY STAR

Power Supply: 24V AC & DC 2 * AAA battery

Control Mode: Google Assistant; Amazon Alexa; IOS; Android

Infrared Reflection Sensor: Yes

Temperature Operating Range: 0 ~ 50°C/32-122°F,10 ~ 90%RH without condensation

Touch Button: Cooling; Heating; Fan; Energy Saving; Temperature +; Temperature -;

Vibration Mode: Motor

Product Life: 10 years

RF Radio: 2.4GHz

Display: LED

Product Size: 82*82*31mm

Hanging Plate Size:Φ65.5mm

7.FCC warning

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC warning:
Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
-Reorient or relocate the receiving antenna.
-Increase the separation between the equipment and receiver.
-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.