

Smart Thermostat Instruction

【SAS936WHB-7-ZT5】



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Specification

Power supply: 2x1.5V AA alkaline batteries(LR6)

Output(Relay): I_{max} 8(5)A 250VAC

Battery life:1 year

Temperature display: 0~50°C

Temperature setting range: 5~30°C

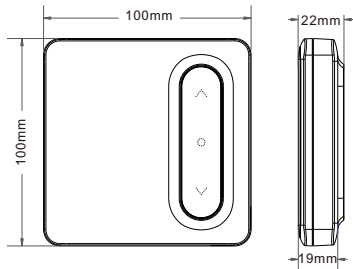
Temperature display accuracy: 0.1°C

Zigbee wireless transmit range: 30m in open air

Dimensions:100*100*19mm

Storage temperature & humidity: -10~60°C, 25~90%RH (non condensation)

Operation temperature & humidity: 0~50°C, 25~90%RH (non condensation)



(1)  Wireless icon “” always on when paired with gateway. Flash mean signal loss.

(2)  Anti-frost icon

(3)  Heating output icon

(4)  Programming mode icon

(5)  Low power alarm

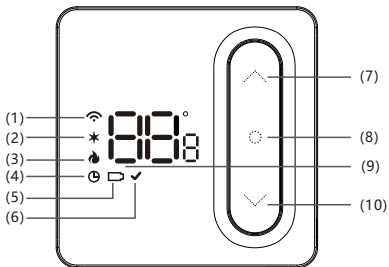
(6)  Reserved

(7)  Up button

(8)  ON/OFF button

(9) Room temperature or
setting temperature display

(10)  Down button



Functions

ON/OFF function

Press "⊙" to turn thermostat ON. Press and hold "⊙" again to turn thermostat OFF.

Key lock function

In main display interface, press and hold "∧" "∨" at the same time to activate or cancel the key lock, when activated, no keys can be used. The thermostat will display "LK"

Open window function

If the room temperature drops 1.5°C in 3 minutes, the open window function will activate and display "OW", then turn down all heating. When the room temperature increases by 1.5°C or after 30 minutes, the thermostat will return to normal operation. Press any button to cancel the open window function while it is active.

Anti-frost function

When user leave house for long time. The room temperature will drop to lower which it may freezing home device may effect damage. Thermostat will turn on heating when room temperature drop to lower 5°C. And turn off heating when temperature rise to 8°C.

Geofencing function(Only for IOS)

When it detect no one at home, thermostat will turn off heating to save energy. User could set all setting through APP.

Optimum start

The optimum start adjust the starting time for home heating according to user program setting. User program the time that it should come on desired temperature in correct time.

Optimum stop

Optimum stop save energy by switching the boiler off earlier than program off time.

Weather compensation

Connect with external sensor with select to weather compensation mode. It will detect outside temperature and compare room temperature to switch on/off boiler to save energy.

Temporary leaving mode

From APP it could activate when user leave house for long time.

Boost function

When user feel house is not enough heat. It could activate boost to heat with option from 1-9 hours

OTA

It could remote control software upgrade.

Low power alarm

When thermostat is out of battery, it will alarm "  " to remind user change battery.

Alarm instructions

Err.display	Result
E 1	Internal sensor malfunction.
E 2	External sensor malfunction.

Program setting

- 1 Turn on the thermostat.
- 2 Press "  " could switch to programming/non-programming mode under the condition that the APP has been programmed.

Programming mode:  display. The thermostat will run according to the pre-set schedule.

Temporary mode:  keep flash. The programming will switch to programming in next schedule.

Manual mode :  disappear. It means non-programming.

Default programming (6 period programming)

											
Wake up		Away		Back home		Away		Back home		Sleep	
6:00	20°C	8:00	16°C	11:00	20°C	14:00	16°C	18:00	20°C	22:00	16°C

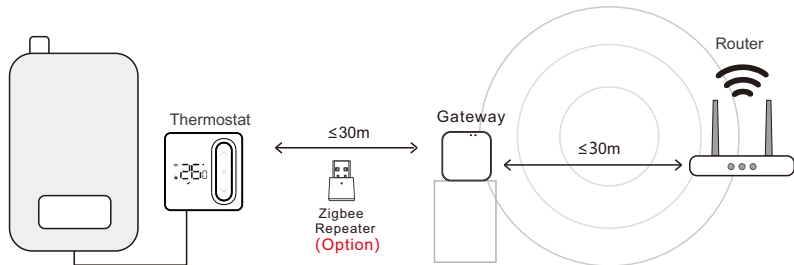
*Programming setting is from APP.

Installation location

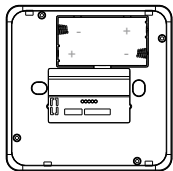
Without Zigbee repeater, wireless transmit range at open distance between thermostat and gateway ≤ 30 meters.

Worry about the Transmission distance?

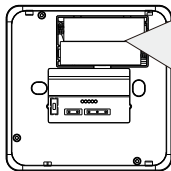
You can choose a Zigbee repeater that assists Zigbee gateways and devices to expand its signal coverage. (Zigbee repeater extend distance: about 30 meters in open air)



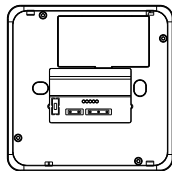
Battery Installation



Take off cover



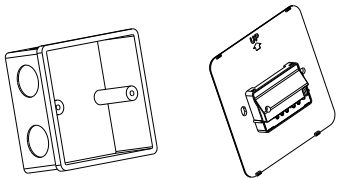
Install 2AA batteries



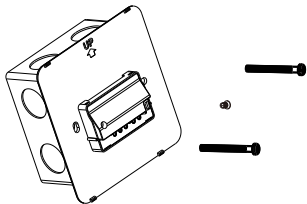
Complete installation

* Attention: Insert the batteries checking the polarities (+ / -) are correctly aligned.

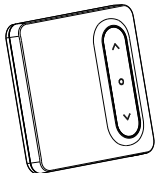
Installation



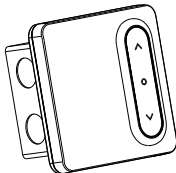
- ❶ Put the back board on the installation box



- ❷ Put the screw into the hole and screw down

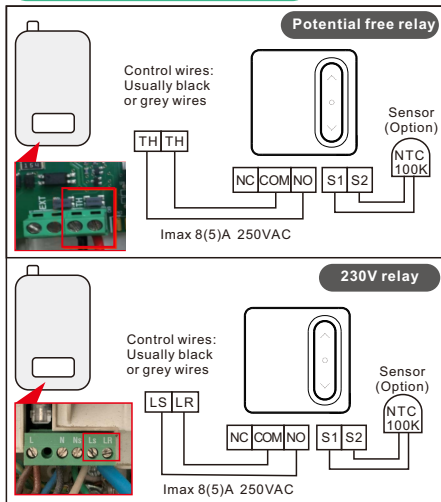


- ❸ Cover the panel



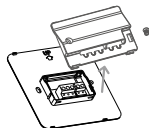
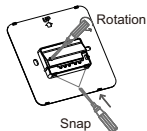
- ❹ Installation complete

Thermostat Wiring

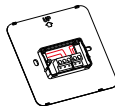


SAS936WHB-7-ZT5 need to connect with signal wire. The terminal is at the back board, below wiring diagram for your reference.

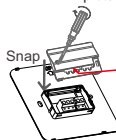
- ① Unscrew the terminal cover and pry the buckle with a screwdriver.
- ② Take off the safety cover.



- ③ Wiring connection.



- ④ Install the safety cover, do the protection.



After wired especially
for 230V boiler. It will
cause electric shock.
Don't touch!

* Turn off power of your house, then open boiler board and connect the signal wire.

Download



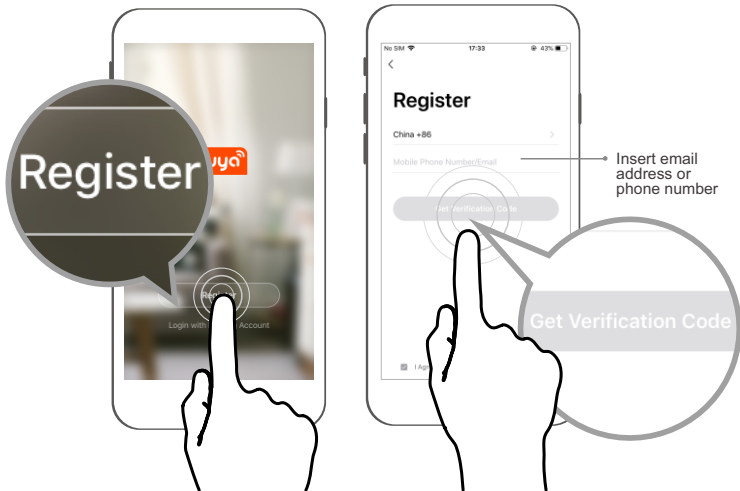
① Click App store(click Android application market)



② Search “ TuyaSmart ” and download .

Link APP

Register

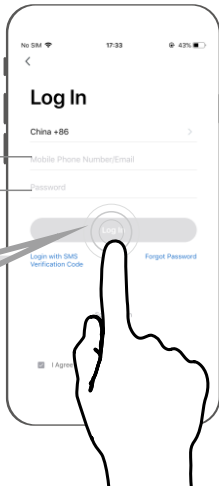


Login

When you finish the register, log in your mailbox and click on the link to activate your account, then can login APP.

Registered mailbox /phone number

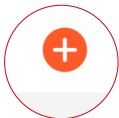
Insert your password



Add gateway

Gateway: optional purchase

- 1 Enter the "HOME" interface of the app, Click the "+" in the upper right corner .



- 2 Click the list bar "Gateway Control ", select the Gateway (Zigbee) in the right device list.

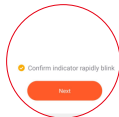


Tips: if your gateway is wired,
please click " Gateway(Zigbee) "

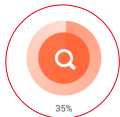
- 3 Enter your wifi account and password
Click "Confirm"



- 4 Make sure the red light is blinking fast.
Click "Next"



- 5 wait a few seconds until the search progress is 100%



- 6 Click "Done", it means the gateway added successfully.



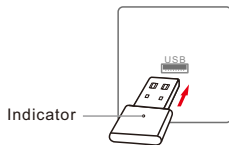
* Tips

- Before binding the gateway, you need to power on the gateway.
When binding a gateway, the mobile phone and the gateway must connect to the same network.

Add zigbee repeater (Option)



① Click "+ Add subdevice"



After the device is powered on, plug and unplug it three times to enter the network configuration state, and confirm that the indicator light flashes.



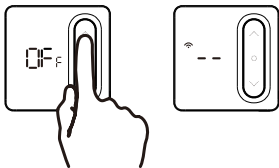
② Click "LED already blink"



③ Click "DONE"

Add thermostat

- 1 For thermostat: In "OFF" state, long press "∧" until the screen show "--", "📶" flash.



- 2 Click "Add subdevice" to enter the device list.

+ Add subdevice

- 3 Click "LED already blink"

re device reset meth

LED already blink

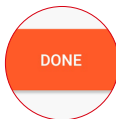
4 Search device



5 Select the type of device you want to add .



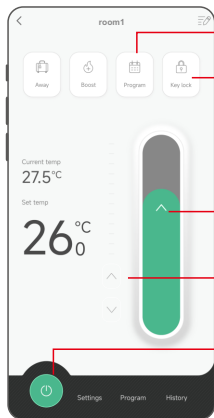
6 Click "Done", it means the TRV added successfully.



* Tips

- Gateway must be added before adding thermostat.

APP interface introduction



Click the icon to open programming function, and the icon "📅" will turn green

Click the icon to open the key lock function, and the icon "🔒" will turn green

Slide to adjust temperature

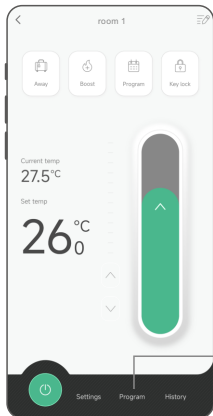
Press "▲", "▼" to adjust the temperature.

Click to power off



Click to power on

Programming Setting



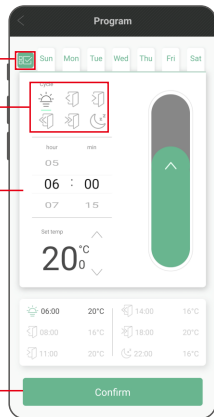
Click to select week you want to copy

Click here to select different periods, press “^” “v” or slide “” to set temperature.

Slide to adjust time

Click “program” to enter the programming interface for selecting the time of 7-day programming.

Click “Confirm” to save



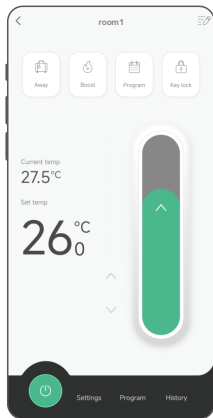
Temporary leaving mode

Temporary leaving mode:

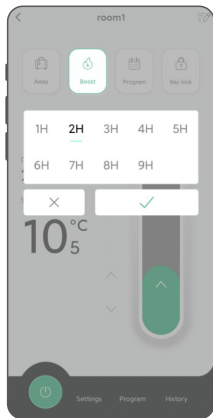
If you need to stay out temporarily, please click the button, The temperature can remain at 16°C, the energy-saving icon “” turns green and is on. After your arrival at home, click the button again to recover the previous temperature setting.



Boost setting

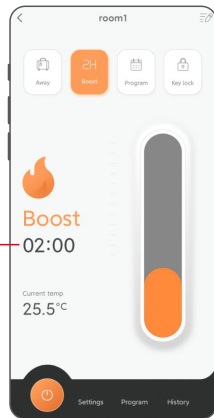


① Click the icon “”



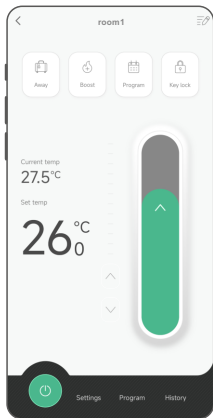
② Select the time, then click “” to confirm

Countdown time —  02:00

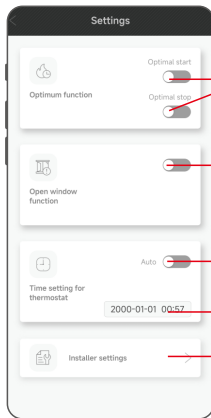


You can check the boost time

More settings



Click “Settings” to set parameters



Swipe right to turn on “Optimum” function, and the icon  turn green

Swipe right to turn on “Open window” function, and the icon  turn green

Swipe right to turn on “Auto time” function, and the icon  turn green

Click to set the time manually

Click to set implicit parameters

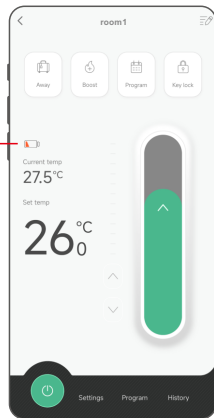
Anti-frost function



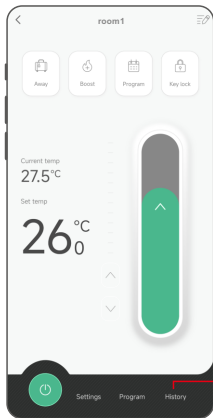
When the room temperature is lower than 5°C, the anti-frost protection is automatically activated.

Low power alarm

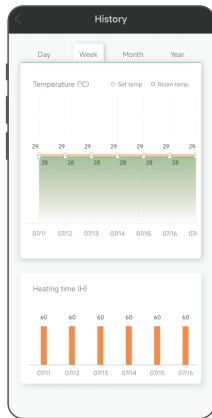
Low power alarm



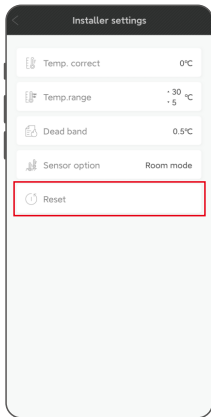
History records



Click "History" for checking the historical temperature records



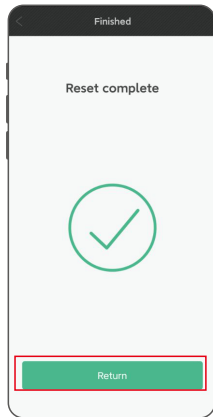
Reset setting to factory default



- ① Click "Settings" in the home page of thermostat, then click "Installer settings", click "Reset"

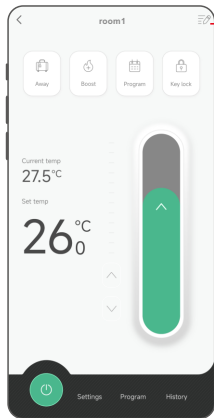


- ② Tick "Already confirm above notice", click "Reset"

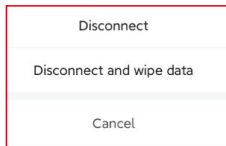


- ③ Click "Return" to return back to main control page

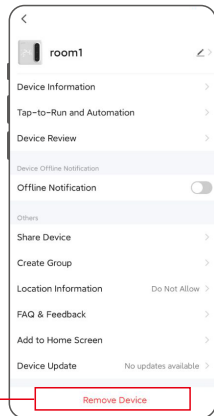
Remove device



Click here to check the device information



Click "Remove Device" to select "Disconnect /Disconnect and wipe data/Cancel"



Voice command

After waking up the speaker, you can say:

Amazon Alexa

- * turn on <device name>
- * turn off <device name>.
- * what is the temperature of <device name>.
- * make it warmer in <device name>.
- * make it cooler in <device name>.
- * set <device name> to twenty.

Google Assistant

- * turn on <device name>.
- * turn off <device name>.
- * set <device name> to 16 degrees.

- * The temperature unit of thermostat and speaker must be the same.
- * Tips: you need connect to the Google and Alexa speaker.

Smart thermostat instruction

【SAS936WHB-7-ZT5】