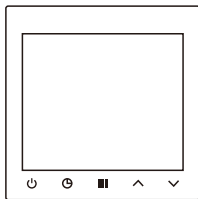


SAS922FHL-7-WIFI(TY) INSTRUCTION

Thermostat For Floor Heating



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SAS922FHL-7-WIFI(TY) system thermostat is a programmable controller used to control heating material in electric heating system.

SPECIFICATION:

Power source	100-240VAC 50/60Hz
Maximum load electric current	16A/250VAC
Room temperature setting range	5℃~ 35℃
External sensor control range	5℃~ 70℃(not standard)
Display accuracy	0.1℃
Working environment temperature	0℃~ 50℃
The storage temperature	-10℃~ 60℃
Dimensions	86mm x 86mm x 13mm
External sensor	NTC100K or NTC10K (optional)

FEATURE:

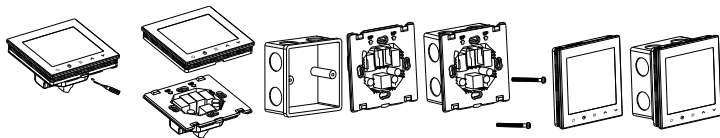
- 4 inch large screen display.
- Control water valve, electric heat actuator, water pump, wall hanging furnace.
- Permanent user setting retention during power loss.
- Display temperature recalibrates.
- Optional types of control for different heating application including room thermostat; floor thermostat or room thermostat with floor limitation.
- Optional programming Period:7 individual day programming.
- Touch button.

IMPORTANT SAFETY INFORMATION:

- Read all of the information in this manual before installing this thermostat.
- Always turn off power at the main power source by unscrewing fuse or switching circuit breaker to the off position before installing, removing, cleaning, or servicing this thermostat.
- Only a professional contract or should install this thermostat.
- All wiring must conform to local and national building and electrical codes and ordinances.
- Use this thermostat only as described in this manual.

Install the thermostat

Attach thermostat base to the wall



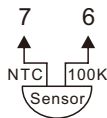
Open the panel

Install the base

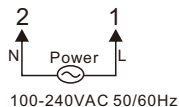
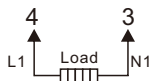
Mounting screws

Install the panel

Elementary diagram

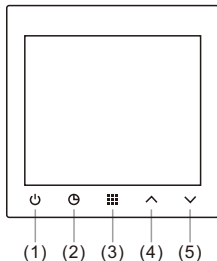


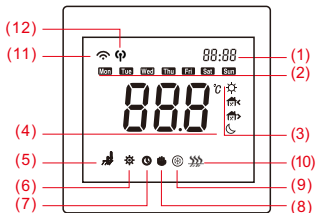
5
Empty



Display and switch description

- 1)  Power/OK button: Press shortly to turn on/off the thermostat. Press this button to save the exit when the thermostat is set.
- 2)  Time button: Long press to enter time settings, through ^ / ∨ key adjustment.
- 3)  Menu button: Under switch on state, short press could check setting temperature value or time. Long press could set programming. Under switch off state, long press could enter configuration menu.
- 4)  Raise temperature setting
- 5)  Lower temperature setting





- (1) Set temperature or time display
- (2) Weeks show mark
- (3) Shows current programming period
- (4) Room temperature display mark
- (5) Sensor mode display mark
- (6) Parameter setting mark
- (7) Program run mark
- (8) Manual operation mark
- (9) Anti-freezing protection mark
- (10) The heating mark
- (11) WIFI mode
- (12) AP mode

1. Configuration menu:

Use the pre-initialization Settings menu

The configuration menu allows you to set certain thermostat operating characteristics to your system or personal requirements. When thermostat at off mode, Hold button **⏏** for 5 seconds to enter the configuration menu. The display will show the first item in the configuration menu.

Press **⏏** button to shift to the next menu item. Use **^** or **∨** select. When press **⏏** will exit menu setting and back thermostat off mode. To exit the menu, press **⏏** button. The thermostat will exit the configuration menu if no action within 20 seconds.

Restore factory default setting: In the configuration menu, push **⏏** button for 3 seconds. Display will show "DEF" blinking 3 times and return to Menu item 1 indicates all the configuration setting has reverted to factory default setting. The configuration menu chart summarizes the configuration options.

An explanation of each option is given below:

Item	Press button	Displayed (factory default)	Press $\wedge$ or $\vee$ to select	Descriptions
1		CL (0.0)	-6 --- +6	Select temperature display adjustment higher or lower
2		RH (35°C)	20°C — 70°C	Select maximum room setting temperature
3		RL (5°C)	5°C — 20°C	Select minimum room setting temperature
4		FH (40°C)	20°C — 70°C	Select maximum floor setting temperature
5		FL (5°C)	5°C — 20°C	Select minimum floor setting temperature
6		SEN (RL)	RL / In / OU	Sensor mode option RL : Room temperature for control, external sensor temperature (floor temperature) for protection; In : only the room temperature control ; OU : Only the external sensor temperature (floor temperature) control.

7		bl (2)	2 / 3	Backlight mode 2 : When press button, backlight is bright for 30seconds 3 : Backlight always bright.
8		PSI (0)	7 / 0	Program option 7 : 7 days separately 0 : Non program
9		ES (OF)	On / OF	Intelligent Recovery Option: OF : Without intelligent function On : Activate intelligent function
10		Rn (OF)	On / OF	On : Active anti-freezing function OF : Close anti-freezing function
11		ntc (100)	100 / 10	Sensor selection 100 : 100K Sensor 10 : 10K Sensor
12		CUr (L)	L / H / HH	Temperature display adaptive (when connecting electric mat if temperature have difference with actual, select different option to adjust) L : 0~8A H : 8~12A HH : 12~16A
13		ts (On)	On / OF	On : Time run based on network time OF : Time run based on user setting

2. Manual Operation

2.1 Set current time and date

Press  button for 5 seconds and enter the time setting. Once again short press  button switch set minutes, hours, years, months, days, press  or  key adjustment time; Press  button in the process and return to the running state of the program. No button will be automatically returned to the program running state in 20 seconds.

2.2 Check time or setting temperature(setting temperature and time can not be displayed at the same time)

In the switch on states, short press  button displays the time or temperature set .

3. Operation mode

1) Manual mode

After set item 8 of configuration menu to " " and reserve. The screen will display " " enter manual mode. The system will run based on setting temperature by user.

2)Temporary mode

Under program mode, user change setting temperature it will display“  ” to enter temporary mode. After time reach next program event, it will back to program mode.

3)Program mode

(The factory default is non programmable. Need to set item 8 to“ 7 ”of configuration menu)
Thermostat keep the temperature as setting temperature temporarily, when screen show“  ”
Thermostat run program setting and screen show“  ”

Program setting

After thermostat is in program mode, under switch on state, long press“  ” to enter program setting, press“ ^ ”or“ v ” to select week.
Press“  ” again to set time, press“ ^ ”or“ v ” to change setting. Press“  ”again to change temperature setting. Repeat above setting until 7 days schedule finish set. If the program had been set OK, press“  ” to save. if without any operation for 10s, thermostat will exit program setting automatically.

Excel 1 (7 days six period factory setting)

Heating mode		Morning 	Outside 	Afternoon 	Outside 	Back 	Night 
Monday-Friday	Time	6:00	8:00	12:00	14:00	18:00	22:00
	Temperature	21°C	16.5°C	21°C	16.5°C	21°C	16.5°C

Alarm instructions

Err. display	Err. condition	Result
<i>E1</i>	Room sensor broken	Thermostat shuts down all heating output.
<i>E2</i>	Floor sensor not installed	Thermostat shuts down all heating output.

LINK APP

Download:

Click App store or Android application market to download "TuyaSmart" APP.

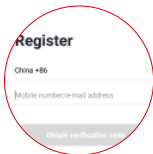


Registration and Login:

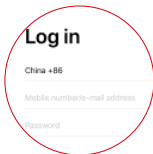
Click the "Register" to create account. Enter your account password to log in.



Register



Create account



Login

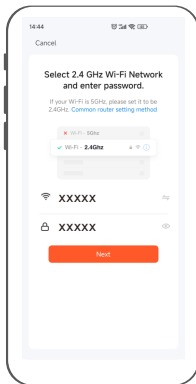
Add thermostat



- 1 Click “+” on the top of right, or click “Add Device”



- 2 Click the list bar “Small Home AP” and select “Thermostat(WI-Fi)” in the right device list.



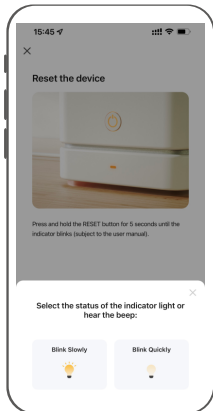
- 3 Confirm wifi account and enter wifi password, then click “Next”



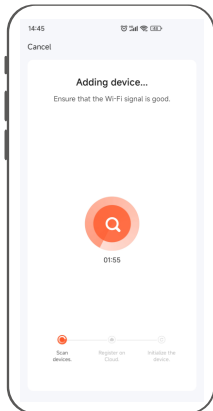
- 4 Click “Confirm the indicator is blinking rapidly”

Distribution network in WIFI mode“📶”:

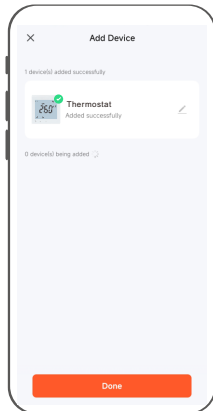
Tips: Make sure thermostat display icon“📶” and flash. If not, long press“🔌”until“📶”flash.



5 Select “Blink Quickly”



6 Wait for few seconds.

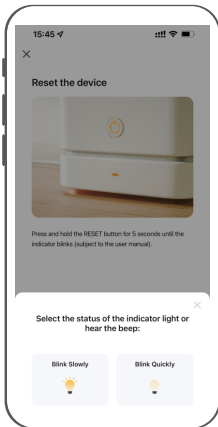


7 Click “Done”

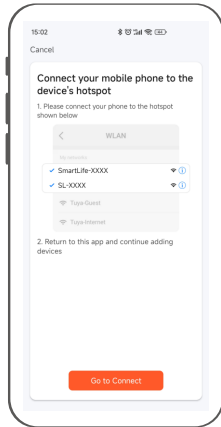
Distribution network in AP mode:

Tips:

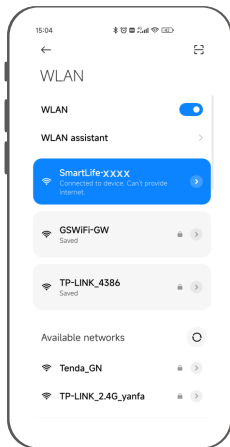
If you select "Blink Slowly" in step ⑤, Make sure distribution network to AP mode "📶". If not, long press "🔊" until display "📶" and flash.



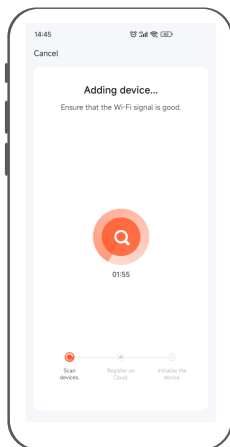
⑤ Select "Blink Slowly"



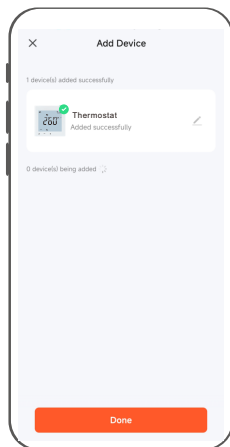
⑥ Click "Go to Connect"



⑦ Select "SmartLife-xxxx" and go back "Tuya smart"APP

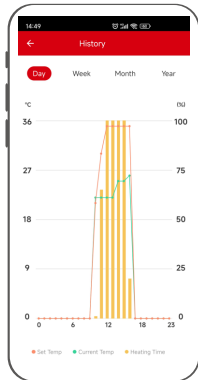
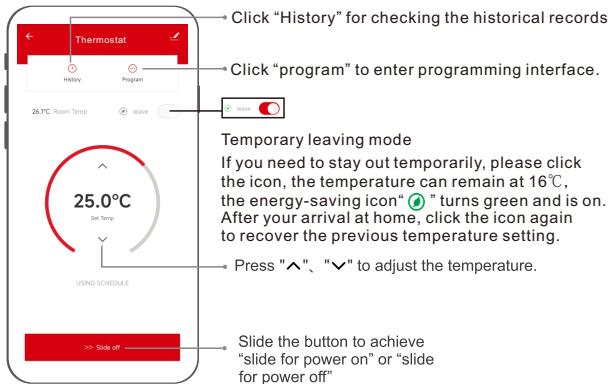


⑧ Wait for few seconds.

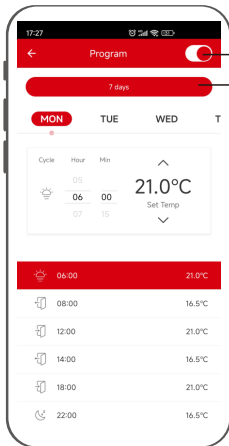


⑨ Click "Done"

APP interface introduction



Programming Setting



Slide to close programming

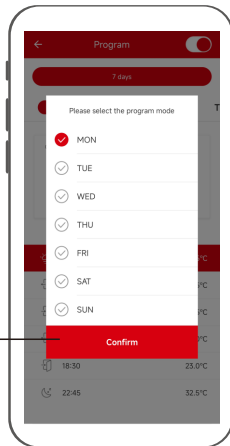
Click "7-day" to select the date

❶ Click the "program" to enter the programming interface, then click "7-day" button

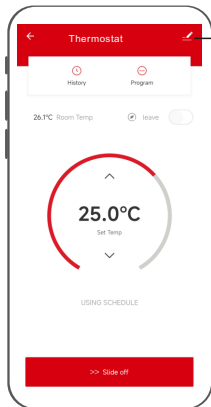
❷ Click the date to be edited and confirm it.

❸ Press "∧" "∨" to set temperature in the different periods of time

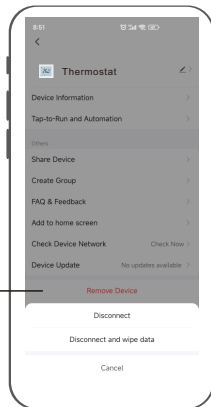
Click "Confirm" after select the date



Exit network/remove devices



Click the icon “”



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 bedroom.
- * Turn off bedroom.
- * Raise the bedroom by 1 degree.
- * Drop the bedroom by 1 degree.
- * Set the bedroom to 16 degrees.

Google Assistant

Tips: you need connect to the Google speaker

- * Turn on bedroom.
- * Turn off bedroom.
- * Set the bedroom to 16 degrees.

Tips:

- * bedroom is the device name. You can name it by yourself.
- * The temperature unit of thermostat and speaker must be the same.

OPERATING INSTRUCTION

SAS922FHL-7-WIFI(TY)