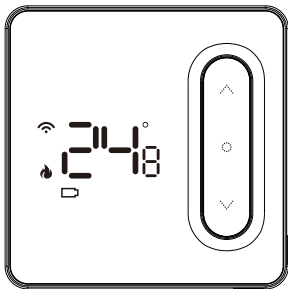


Smart thermostat instruction

SAS936WCHB-7-DFZ



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Specification

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

Battery life:1 year

Temperature display: 0~50°C

Temperature setting range: 5~50°C

Temperature display accuracy: 0.1°C

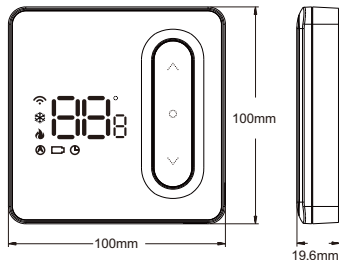
RF wireless transmit range: 100m in open air

Zigbee wireless transmit range: 30m in open air

Dimensions:100*100*19.6mm

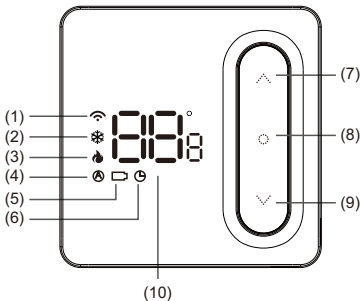
Storage temperature & humidity: -10~60°C, 25~90%RH (non condensation)

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



Icons you might see on your thermostat

- (1)  Wireless icon “” always on when paired with gateway.
Flash mean signal loss.
- (2)  Cool mode, If flash mean it's in output status
- (3)  Heating mode, If flash mean it's in output status
- (4)  Auto mode
- (5)  Low power alarm
- (6)  Programmable icon
- (7)  UP button
- (8)  ON/OFF button
- (9)  Down button
- (10) Room temperature or setting temperature display



Functions

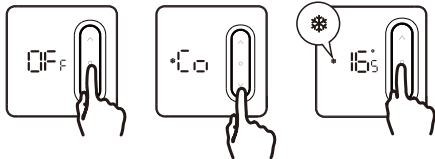
ON/OFF function

Press “” to turn thermostat ON when it's in off mode. Press and hold “” until display “” and flash.
Press “” again to switch off.

Mode setting

Master thermostat could set mode to heat pumps with below operation. Slave can't set mode.

1. Press and hold “” until display “” and flash.
2. Short press “” “” to select mode.
3. Short press “” to confirm what you set, and mode icon will display in screen.



* If “Thermostat control” set from wiring center is off, then all thermostat will be slave only.

Auto changeover

Master will adjust heat/cool automatically based on Auto deadband and auto mode temperature setting. And transfer mode to slave thermostat. Zone 1 will be master thermostat. If Auto deadband is 3 and Auto mode temperature setting is 21°C which mean lower or equal 21°C, it will set to Auto heat mode. Upper or equal 24°C it will be Auto cool mode.

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 “ ”

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 .

This function only activate in heating mode.

Geofencing function.

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

Temporary leaving mode

From APP it could press "Away" button to activate when user leave house for long time.

OTA

It could remote control software upgrade.

Low power alarm

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

NTC function

RO-Room temperature

A floor sensor is not present, the unit will be controlled via internal sensor and display as room temperature.

All-Dual temperature control

The thermostat will control based on actual room temperature detected by internal sensor and compare the floor temperature limitation set by parameter 7. If floor temperature higher than limitation, it will stop working.

If floor sensor is not connected under r-F mode, it will alarm E2.

FL-Floor temperature control

Thermostat will control via external sensor and display as room temperature.

If mode set to Auto mode, don't suggest set to Floor temperature control mode.

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)

Cooling mode

					
Morning	Leaving	Back home	Leaving home	Back home	Night
6:00 25°C	8:00 28°C	11:00 25°C	14:00 28°C	18:00 25°C	22:00 28°C

Heating mode

					
Morning	Leaving	Back home	Leaving home	Back home	Night
6:00 20°C	8:00 16°C	11:00 20°C	14:00 16°C	18:00 20°C	22:00 16°C

Alarm instructions

Err.display	Result
E1	Internal sensor malfunction.
E2	External sensor malfunction.
E3	Loss communication between the thermostat and wiring center.

Configuration

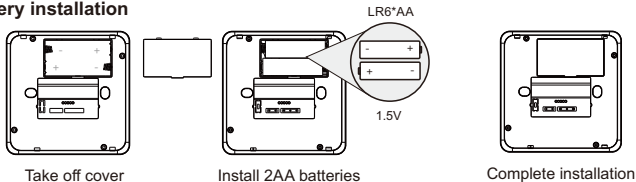
Shut down and long press “” key to enter the parameters setting, CL1 is displayed, press “” and “” to select different parameters, short press “” to enter specific parameter settings, use “” and “” to adjust, long press “” to save and exit to “”; In the parameter setting page, press and hold “” and “” until DEF is displayed and restore factory settings; if there is no operation within 10 seconds, thermostat will return to “” page automatically.

Step	Displayed	Factory setting	“  ” and “  ” to select	Description
1	CL1	0°C	-6°C — +6°C	Temperature calibration
2	PH2	35°C	20°C — 50°C	Select maximum setting temperature range
3	PL3	5°C	5°C — 20°C	Select minimum setting temperature range

Step	Displayed	Factory setting	“^”and“v” to select	Description
4	cl ⁴	0.5°C	0.3°C — 3°C	Heating/cooling start conditions: Heating: When set temperature $\geq$ room temperature +0.5°C, turn on heating; When room temperature $\geq$ set temperature+0.5°C, turn off heating Cooling: When room temperature $\geq$ set temperature+0.5°C, turn on cooling When set temperature $\geq$ room temperature+0.5, turn off cooling
5	AS ₅	ON	ON/OFF	Anti water resistance
6	SE ₆	In	RO/FL/All	RO:Room temperature FL:Floor sensor control (Auto mode is not recommended) All: Dual temperature control
7	FH ₇	40°C	25 — 70°C	Maximum floor temperature
8	FA ₈	nc	nc / no	Actuator type nc :Normal close no :Normal open
9	Ad ₉	3	2°C — 8°C	Auto deadband (only for master thermostat)
10	Al ₀	22	15°C — 25°C	Auto mode temperature setting (only for master thermostat)

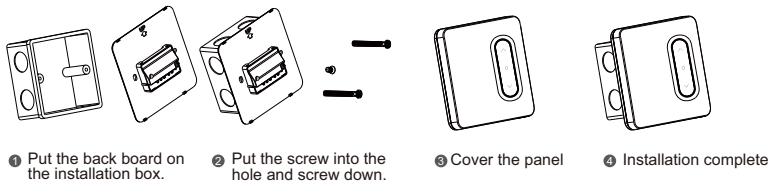
Thermostat Installation

Battery installation



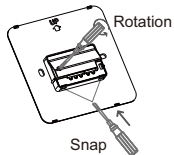
Attention: Insert the batteries checking the polarities (+ / -) are correctly aligned.

Wall mount

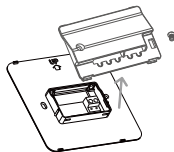


Thermostat wiring

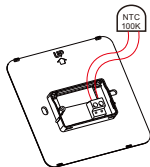
- ❶ Unscrew the terminal cover and pry the buckle with a screwdriver.



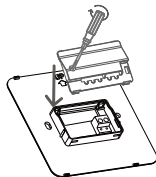
- ❷ Take off the safety cover.



- ❸ Insert cable.

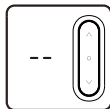


- ❹ Install the safety cover, do the protection.

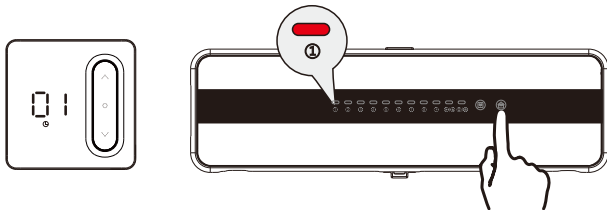


Pairing between thermostat and wiring center

- 1 Press and hold “⊙” until “OF_F” display . 2 Press and hold “∨” and “⊙” to display “--”.
Press “⊙” again to switch off.



- 3 In the meantime make sure wiring center is pairing mode. After pair successful thermostat will display specific zone number.



Link APP

Download:

Click App store or Android application market to download "Tuya Smart" app.

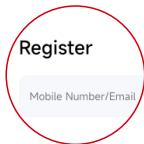


Registration and Login:

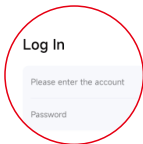
Click the "Register" to create account.
Enter your account password to log in



Register



Create account

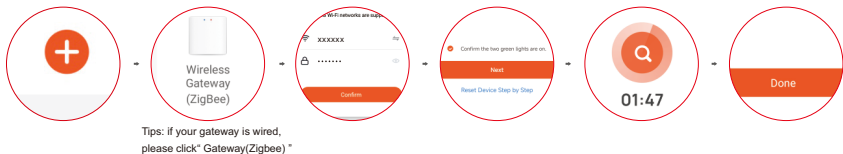


Login

Add gateway

Gateway: optional purchase

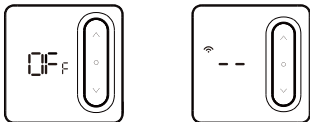
- 1 Enter the "HOME" interface of the app, Click the "+" in the upper right corner, Click Add Device.
- 2 Turn on your mobile's bluetooth it could automatic search device or click the list bar "Gateway Control ", select the Wireless Gateway (Zigbee) in the right device list.
- 3 Click gateway and enter your wifi account and password Click " Confirm "
Does not support 5G network
- 4 After finish paired, 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 thermostat

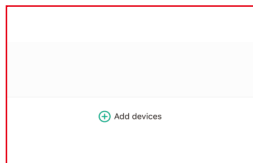
- 1 For thermostat: In “OFF” state, long press “^” and “○” until the screen show “--”, “📶” flash.



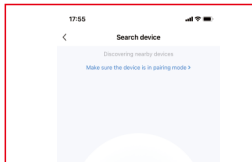
- 2 Click Gateway to enter the settings interface.



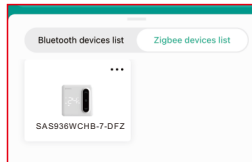
- 3 Search “zigbee devices list” and click “Add devices”



- 4 Confirm that the thermostat device is in pairing status, click to pair.



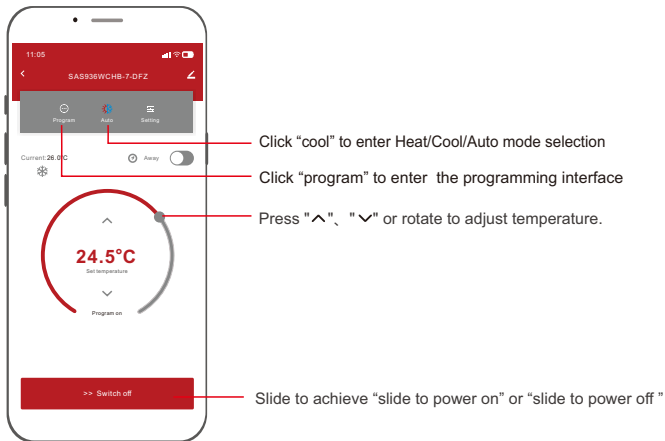
- 5 Wait for pairing until the thermostat icon appears, click "Done".
- 6 Paired successful and you could check it from zigbee device list.



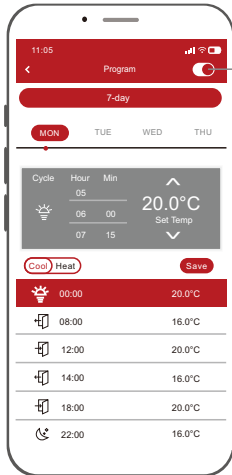
* Tips

- Gateway must be added before adding thermostat.

Explanation of app symbols



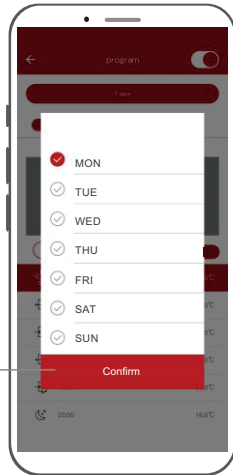
Programming Setting



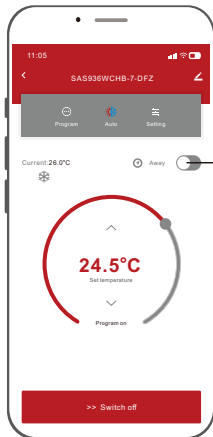
Slide to close programming

- 1 Click the "program" to enter the programming interface, then click "7-day" button
- 2 Click the date to be edited and confirm it .
- 3 Press "^" "v" to set temperature in the different periods of time

Click "Confirm" after select the date



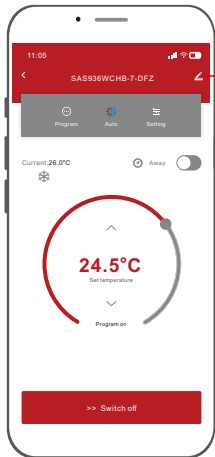
Temporary leaving mode



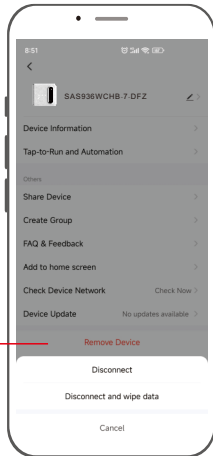
Temporary leaving mode:

If you need to stay out temporarily, please click the button, the temperature can remain at 16°C in heating mode and 28°C in cooling mode, the energy-saving icon "🌿" turn green and is on. After you arrive home, click button again to recover the previous temperature setting.

Exit network /Remove devices



Click here to enter remove device interface



Click "remove device" to select Disconnect / Disconnect and wipe data / Cancel

Voice command :

After waking up the speaker, you can say:

Amazon Alexa

- * Alexa,open <device name>.
- * Alexa,close <device name>.
- * Alexa,what is the temperature of <device name>.
- * Alexa,make it warmer in <device name>.
- * Alexa,make it cooler in <device name>.
- * Alexa,set <device name>to twenty.
- * Alexa,set <device name> to <mode value>.

Google Assistant

- * OK,Google.turn on <device name>.
- * OK,Google.turn off <device name>.
- * OK,Google.set <device name> to 16 degrees.
- * OK,Google.what is the temperature of <device name>.
- * OK,Google.make it warmer in <device name>.
- * OK,Google.make it cooler in <device name>.
- * OK,Google.set <device name> to <mode value>.

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

Smart thermostat instruction

SAS936WCHB-7-DFZ