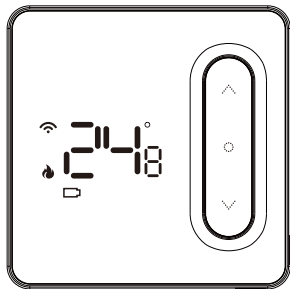


Smart thermostat instruction

SAS936BWCHB-7-DFZ(N)



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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

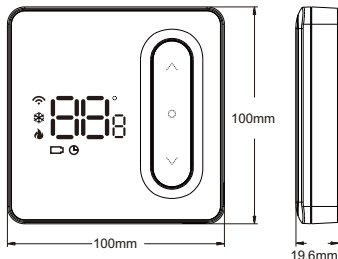
RF wireless transmit range: 100m in open air

Zigbee wireless transmit range: 30m in open air

Dimensions:100*100*19.6mm

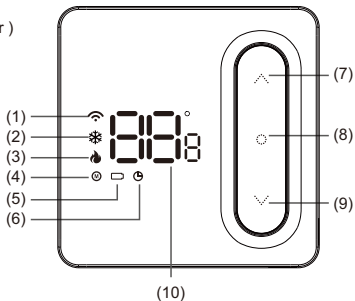
Storage temperature & humidity: -10~60°C, 25~90%RH (non condensation)

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

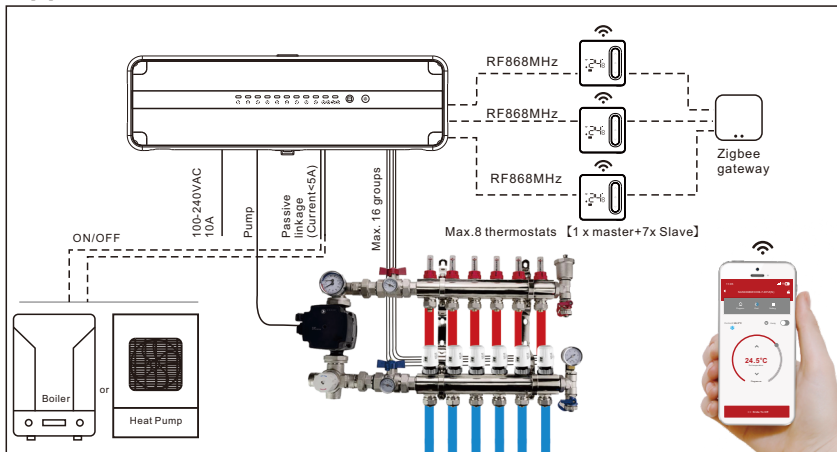


Icons you might see on your thermostat

- (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)  Master icon
(Only display when the thermostat is master controller)
- (5)  Low power alarm
- (6)  Programmable icon
- (7)  UP button
- (8)  ON/OFF button
- (9)  Down button
- (10) Room temperature or setting temperature display



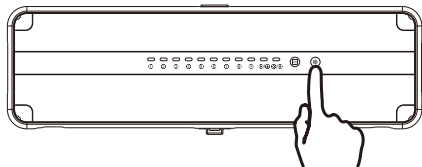
Application



Functions

Mode setting

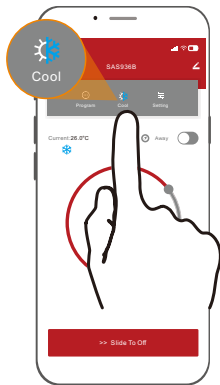
(Only applicable to heat pump heating and cooling systems)



For wiring center:

Press and hold the button “❄️+” for Cool and Heat mode switching.

Switch Cool and Heat mode by click the button “❄️+” for master thermostat.



ON/OFF function

Press “

Press “

Key lock function

In main display interface, press and hold “

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.

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.

Alarm instructions

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

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

Configuration

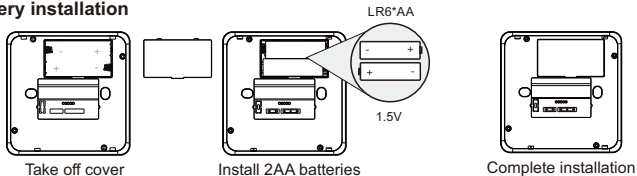
Shut down and long press “” key to enter the parameters setting, CL1 is displayed, press “” and “” to select different parameters, short press “” to enter specific parameter settings, use “” and “” to adjust, long press “” to save and exit to “”; In the parameter setting page, press and hold “” and “” 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	CL ₁	0°C	-6°C — +6°C	Temperature calibration
2	AL ₂	35°C	25°C — 50°C	Select maximum setting temperature range
3	AL ₃	5°C	5°C — 20°C	Select minimum setting temperature range

Step	Displayed	Factory setting	"^" and "v" to select	Description
4	dt 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-scaling function
6	SE ₆	RO	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

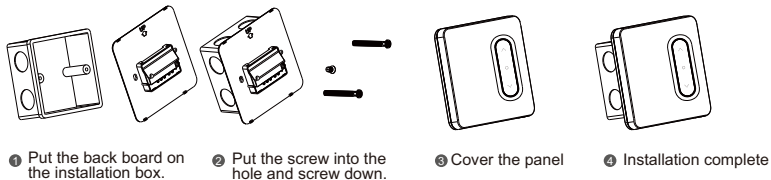
Thermostat Installation

Battery installation



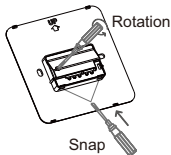
Attention: Insert the batteries checking the polarities (+ / -) are correctly aligned.

Wall mount

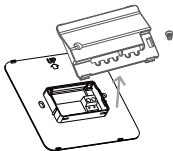


Thermostat wiring

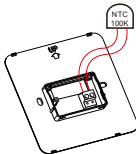
- ❶ Unscrew the terminal cover and pry the buckle with a screwdriver.



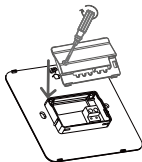
- ❷ Take off the safety cover.



- ❸ Insert cable.



- ❹ Install the safety cover, do the protection.

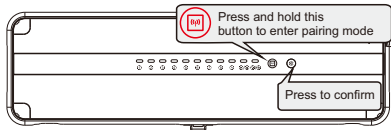


Pairing between thermostat and wiring center

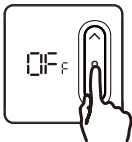
- ❶ Press and hold "Ⓜ" 5s. The paired zone will light up red. And blue light keep flash in first unpaired zone.

You can click "Ⓜ" to select pairing zone.

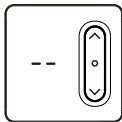
Unpaired zone area will blue light flash or cover paired zone then flash magenta light. After selected idea zone, click "Ⓜ" to enter pairing status and magenta light flash.



- ❷ Switch thermostat to OFF mode.
In stand by status press and hold
“” until display OFF.
Press “” again to confirm.

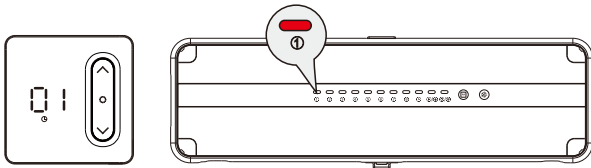


- ❸ Press and hold “” and “” until display “--”



- ❹ Make sure your wiring center and thermostat is in pairing mode. After paired, thermostat will display 01 or specific number. And wiring center's LED move to next zone. After all zone be paired it will exit or press and hold “” to exit.

Once paired successfully, the wiring center can configure the heating and cooling modes of thermostat.



Link APP

Download:

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

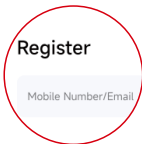


Registration and Login:

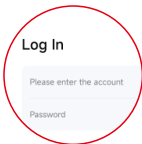
Click the "Register" to create account.
Enter your account password to log in



Register



Create account

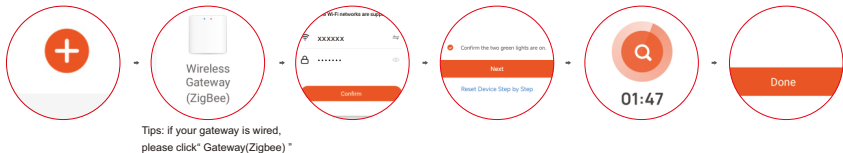


Login

Add gateway

Gateway: optional purchase

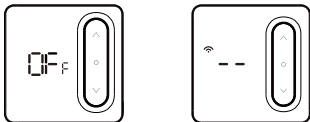
- 1 Enter the "HOME" interface of the app, Click the "+" in the upper right corner, Click Add Device.
- 2 Turn on your mobile's bluetooth it could automatic search device or click the list bar "Gateway Control ", select the Wireless Gateway (Zigbee) in the right device list.
- 3 Click gateway and enter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



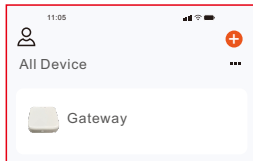
- **Tips:** Before binding the gateway, you need to power on the gateway.
When binding a gateway, the mobile phone and the gateway must connect to the same network.

Add thermostats

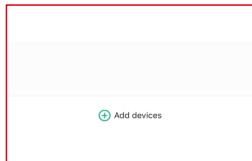
- 1 For thermostat: In “OFF” state, long press “^” and “○” until the screen show “--”, “📶” flash.



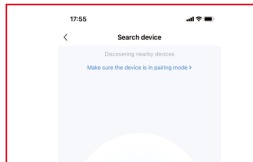
- 2 Click Gateway to enter the settings interface.



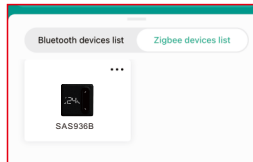
- 3 Click “zigbee devices list” and click “Add devices”



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



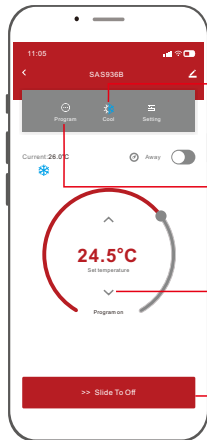
- 5 Wait for pairing until the thermostat icon appears, click "Done".
- 6 Paired successful and you could check it from zigbee device list.



* Tips

- Gateway must be added before adding thermostat.

Explanation of app symbols



Click to enter Heat/Cool mode selection

(Only the master thermostat shows this icon and can switch modes; slaves cannot)

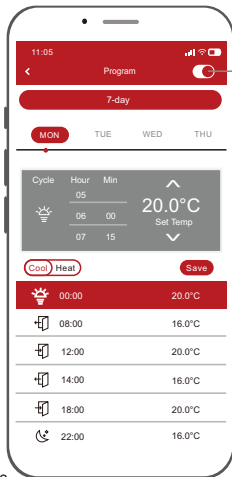
Tips: Single-stage heating systems do not display this icon.

Click "program" to enter the programming interface

Press "^", "v" or rotate to adjust temperature.

Slide to achieve "slide to power on" or "slide to power off "

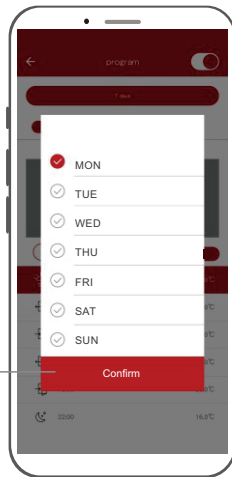
Programming setting



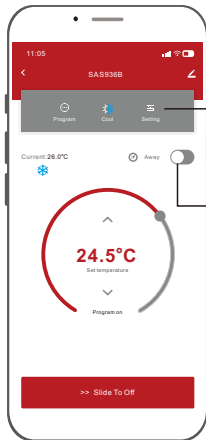
Slide to close programming

- 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 "▲" "▼" to set temperature in the different periods of time

Click "Confirm" after select the date



Implicit parameter setting and Temporary leaving mode



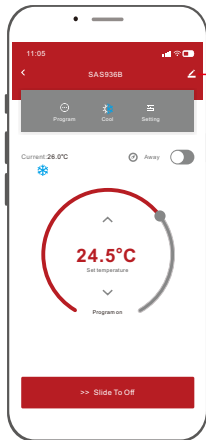
Click to set implicit parameter

Temporary leaving mode:

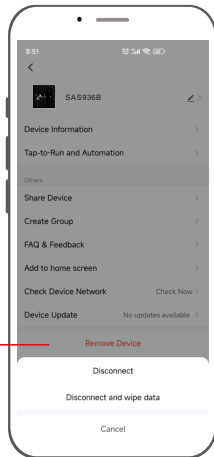
If you need to stay out temporarily, please click the button, the temperature can remain at 16°C in heating mode and 28°C in cooling mode, the energy-saving icon "🌱" turn green and is on. After you arrive home, click button again to recover the previous temperature setting.

	Child Lock	OFF	>
	Anti Water Scale	ON	>
	Temp calibration	0.0°C	>
	Temperature range	5.0-35.0°C	>

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,set <device name>to twenty.

Google Assistant

- * OK,Google.turn on <device name>.
- * OK,Google.turn off <device name>.
- * OK,Google.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

SAS936BWCHB-7-DFZ(N)