

Smart kit instruction



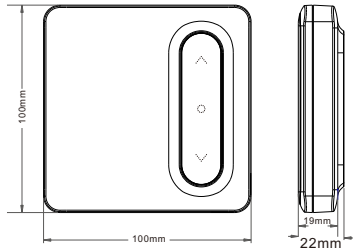
SAS936WHB-7-RF-APP(TY)

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Specification

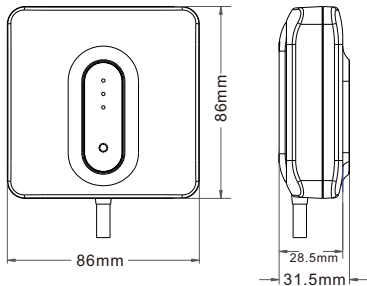
SAS936WHB-7-DF-APP(TY)

- 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: 5~35°C
- Temperature display accuracy: 0.1°C
- RF wireless transmit range: Open 100m
- 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)



SAS2017DE-WIFI(TY)

- Power source: 100-240VAC 50/60Hz
- Output(Relay): I_{max} 8(5)A 250VAC
- RF frequency: 868MHz
- RF transmission distance: 100m in open air
- IP Rating: IP21
- Dimensions: 86*86*28.5mm



Features

- Can be placed anywhere with desk stand
- Large LED display
- Touch button
- Permanent user setting and program setting retention during power loss
- One key set to vacation mode to save energy
- Optional programming Period: 7 individual day or Separate 5-day (weekday) and 1-day/1-day (Saturday/Sunday) programming with 6 separate time/temperature periods per day.
- Key lock function
- Low battery indication
- Anti-freezing protection
- Window open function

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

(2)  Anti-freezing icon

(3)  Heating output icon

(4)  Programming mode icon

(5)  Low power alarm

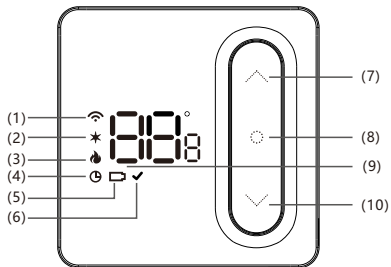
(6)  Confirm icon

(7)  Up button

(8)  ON/OFF button

(9) Room temperature or
setting temperature display

(10)  Down button

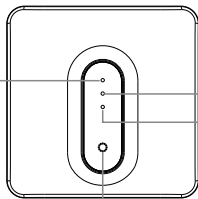


Receiver status indicator

WIFI status indicator

AP distribution network mode:
The **Green** light flash faster or slowly

Distribution network success: **Blue**



Output indicator

In heating status: **Green**
Force output status: **Green**

ON/OFF indicator

Turn on status: **Red**
RF indicator: **Yellow**

Control button

(With power indicator)

- * Force output: in shutdown status, long press “” until light turn to **Green**.
It will manually force heating boiler if transmitter damaged.
Press “” again to cancel.

Program setting

In ON status, press "  " could switch to programming/non-programming mode after successfully connecting to APP.

Operation mode

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

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

Manual mode :  disappear

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.

Function

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“  ”

Open window function

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

Anti-freezing 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.

*It could turn off from configuration menu.

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.

Low power alarm

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

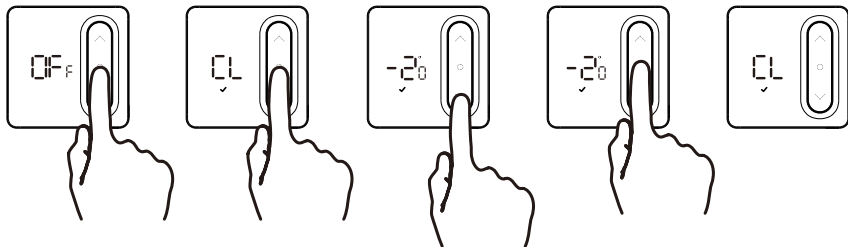
Alarm instructions

Internal sensor damaged display“  ”.

Configuration

In power off, long press "○" more than 5 seconds to enter configuration menu, display the first item "CL", short press "○" button entry to configuration menu first item interface, adjust "∧" "∨" to select the configuration settings, "✓" flash. Short press "○" to save current settings, exit to current configuration and "✓" keep on, adjust "∧" "∨" to enter next configuration.

Long press the "○" button to save and exit the "OFF" mode .



Restore factory settings:

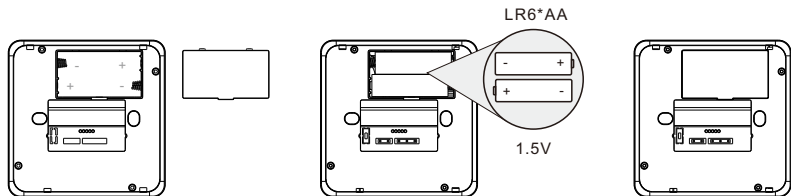
Under the condition of entering the configuration menu, long press "∧" and "∨" to restore the factory settings, display "dE F" and flash 3 times.

(Delete the configuration setting and programming settings)

Step	Displayed (factory default)	Press $\wedge$ or $\vee$ to select	Descriptions
1	CL (00)	-4°C — +4°C	Temperature calibration
2	PH (30)	20°C—35°C	Select maximum setting temperature range
3	PL (05)	5°C—20°C	Select minimum setting temperature range
4	db (05)	0.5°C~3°C	Start heating conditions: when Setting temperature -Room temperature $\geq$ 0.5°C (0.5~3°C option),start heating. Room temperature $\geq$ Setting temperature, stop heating.
5	SE ₉ (6)	4/ 6	Programming period in one day option 6-6 time zones; 4-4 time zones;
6	ES (OFF)	ON / OFF	Intelligent function option On: Turn on intelligent function OFF: Turn off intelligent function
7	PP (OFF)	ON / OFF	Anti-freezing function option On: Turn on the antifreeze function OFF: Turn off the antifreeze function
8	RY (OFF)	ON / OFF	Relay output option On: Turn on the relay output (Only for the transmitter (SAS936WHB-7-DF-APP(TY) direct wiring to boiler) OFF: Turn off the relay output
9	SH (ON)	ON / OFF	LED lights display option, when operate APP On: LED lights display when operate APP OFF: LED lights don't display when operate APP (For battery energy saving)

Installation

Battery installation



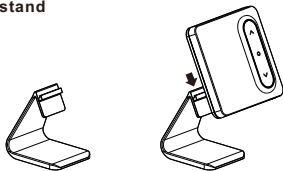
❶ Take off cover

❷ Install 2AA batteries

❸ Complete installation

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

Desk stand

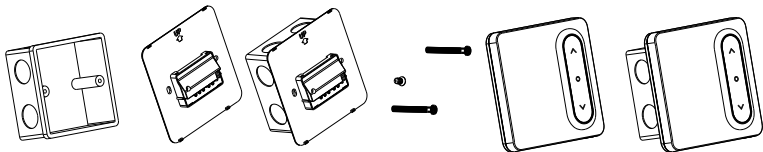


Hang transmitter on stand



Completed installation

Wall mount



① Put the back board on the installation box

② Put the screw into the hole and screw down

③ Cover the panel

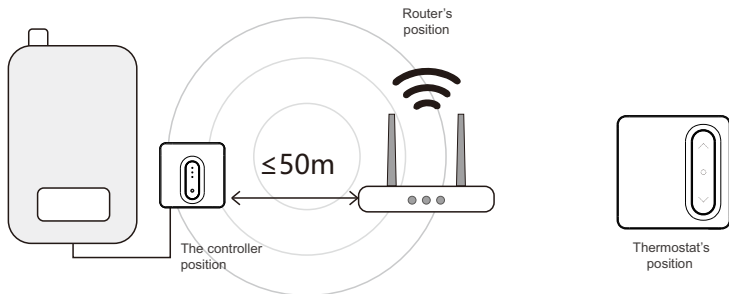
④ Installation complete

Installation Plan A (SAS2017DE-WIFI(TY) as gateway & receiver)

When WIFI is covered with boiler signal

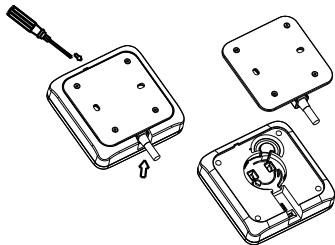
(Need to be confirmed by installer at site)

SAS2017DE-WIFI(TY) the receiver need to be installed in the boiler signal area, SAS936WHB-7-DF-APP(TY) transmitter can be put wherever you want.

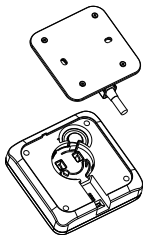


* Thermostat and receiver's distance can't over 100m in open area.

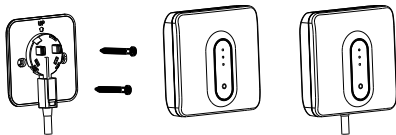
Install receiver on wall



① Open back plate upwards



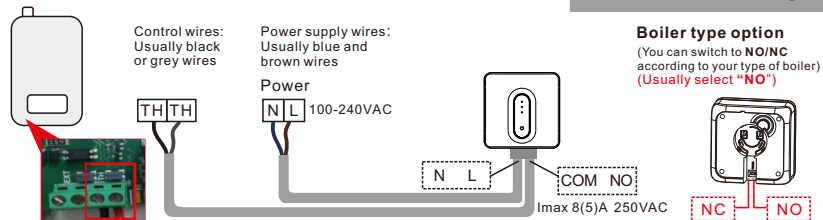
② Install and fasten screws on wall



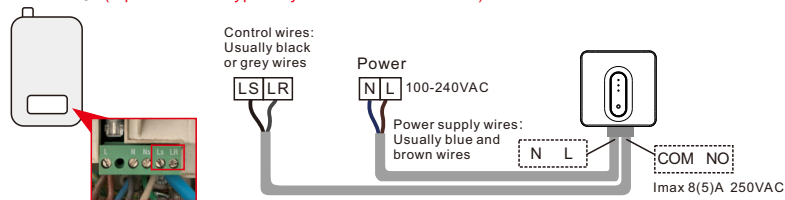
③ Snap into display part

④ completed installation

Potential free relay



230V relay (Tips: the boiler type only be switched to "NO")



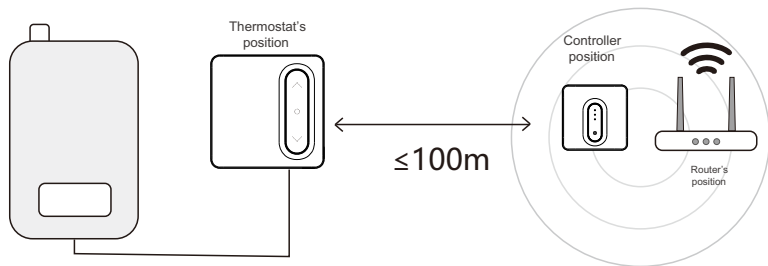
* Turn off power of your house, then open boiler board and connect the signal wire.

Installation Plan B (SAS2017DE-WIFI(TY) as gateway only)

When WIFI are not cover with boiler signal wire

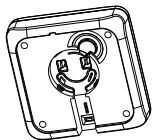
(Need to be confirmed
by installer at site)

The SAS936WHB-7-DF-APP(TY) transmitter need to be installed in the boiler signal area,
SAS2017DE-WIFI(TY) the receiver need to be installed in WIFI coverage area.



* Thermostat and receiver's distance can't over 100m in open area.

Receiver as gateway with adaptor



Bulkhead

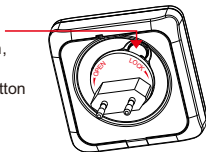


Adaptor option (EU/ UK)

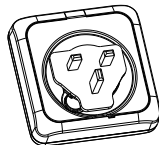
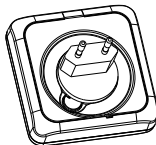
1 Install the bulkhead

The icon "LOCK" aligned with the button, as shown.

Then press down the button

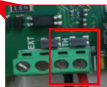
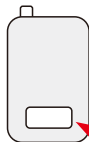


2 Press and rotate to snap into the adaptor



3 Completed installation

Potential free relay



Control wires:
Usually black
or grey wires

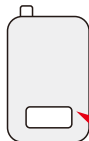
TH TH



NC COM NO

Imax 8(5)A 250VAC

230V relay



Control wires:
Usually black
or grey wires

LS LR



NC COM NO

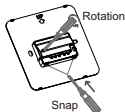
Imax 8(5)A 250VAC

Plan B WIRING

SAS936 need to connect with signal wire. The terminal is at the back board, below wiring diagram for your reference.

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

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.

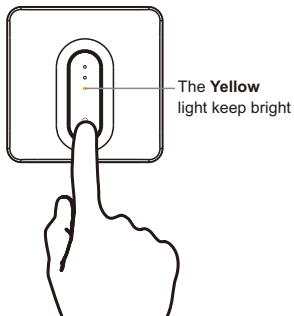


⚠ After wired especially for 230V boiler. It will cause electric shock. Don't touch!

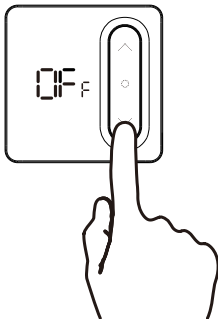
* Warning: When the transmitter SAS936WHB-7-DF-APP(TY) is directly connected to the boiler, the item 8 of configuration should be selection "ON".

Pairing

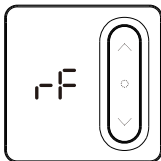
- ① Press "○" turn off receiver, under switch off stats, press and hold "○" for more than 3S, indicator light turn on with **yellow** color.



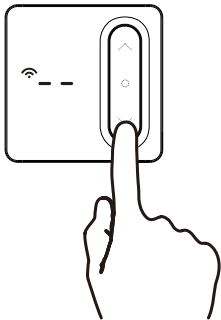
- ② For thermostat: in OFF mode, press and hold "∨" for 3s.



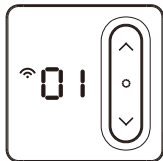
- ③ For thermostat: show "rF".



- ④ For thermostat:
Short press “” to enter pairing status, it will show “--”, and the icon “” flash.



- ⑤ If pairing successful, display “01” and “”, keep on, then automatically exit to OFF interface.



Download



① Click App store(click Android application market)



② Search “TuyaSmart ” and download .



Link APP

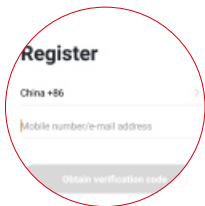
Registration and Login:

Click the "Register" to create account.

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



Register

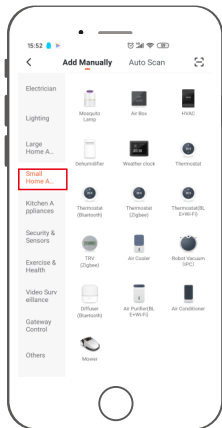


Create account



Login

Add receiver

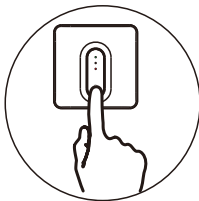
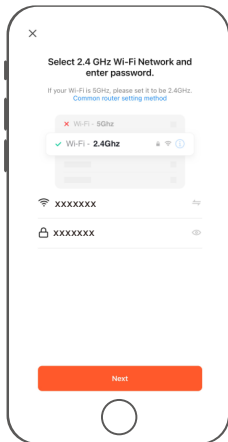


1 Click “+” on the top of right



2 Click the list bar “Small Home AP” and select the receiver in the right device list.

Distribution network in WIFI mode:

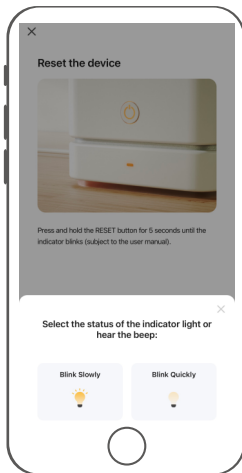


(Note: Under standby status, long press receiver until the green light flashes)

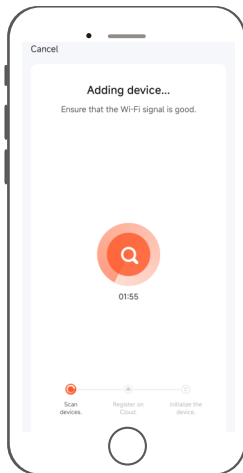


- ③ Confirm wifi account and enter wifi password, then click "Next"

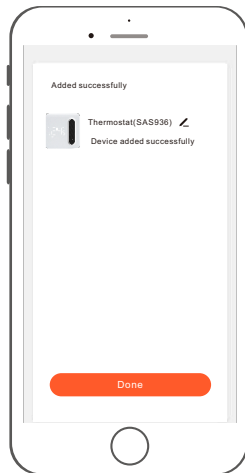
- ④ Click "Confirm the indicator is blinking rapidly" .



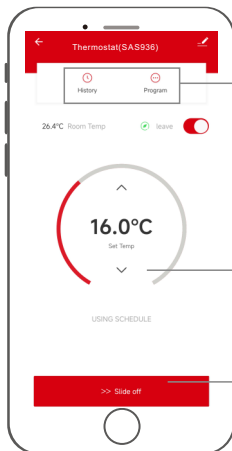
- 5** Select “Blink Slowly/Blink Quickly” according to the status of indicator light.



- 6** Enter automatic search and add devices and wait for a second.



- 7** Device added successfully, click “Done”.



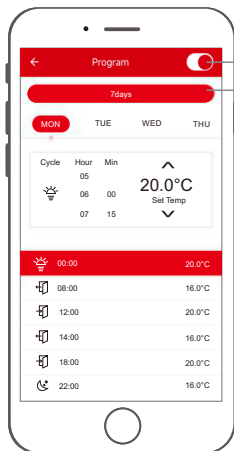
Click “program” to enter the programming interface for selecting the period of time of 7-day programming, press “^” “v” to set temperatures in the different periods of time.

(Click “History” for checking the historical temperature records)

Press “^”、“v” to adjust the temperature.

Slide the button to achieve “slide for power on” or “slide for power off”

Programming Setting



Slide to close programming

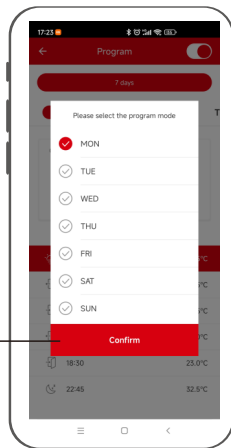
Click "7-day" to select the date

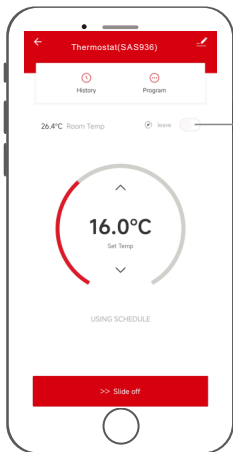
① Click the "program" to enter the programming interface, then click "7-day" button

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

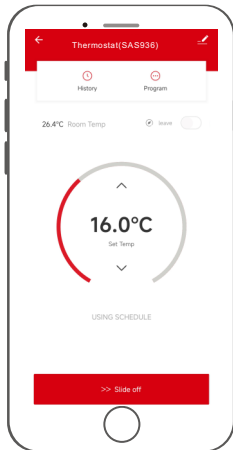




Temporary leaving mode:

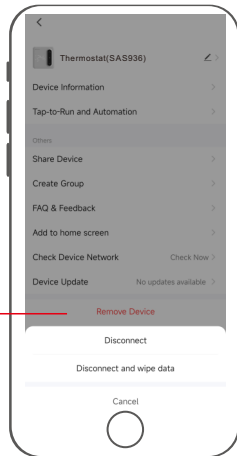
If you need to stay out temporarily, please click the button, The temperature can remain at 16°C, the energy-saving icon “” turns green and is on. After your arrival at home, click the button again to recover the previous temperature setting.

Exit network /Remove devices



- 1 Click the button “

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 kit instruction

SAS936WHB-7-RF-APP(TY)