

SASWG-04-WIFI(TY)
SEA802-DF
INSTRUCTION

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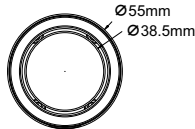
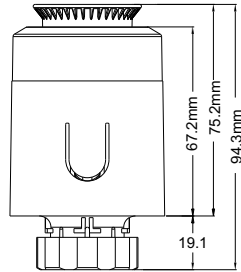


Content

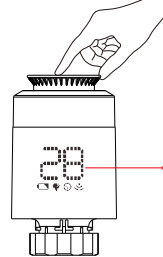
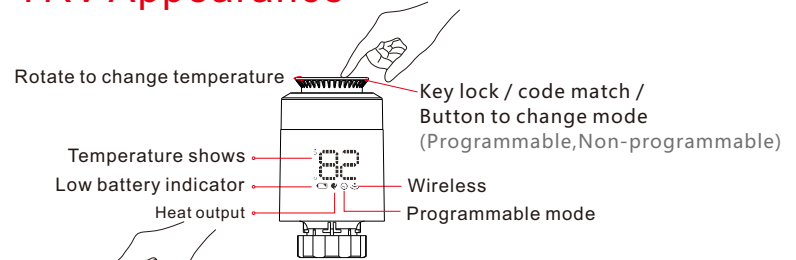
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TRV specifications

- * **Power source:** 2x1.5V AA alkaline battery (LR6)
- * **Battery lifetime:** 1 year
- * **Temperature setting accuracy:** 0.5°C
- * **Room temperature display range:** 0°C~50°C
- * **Operation temperature range:** 5°C~30°C
- * **Shipping & storage temperature:** -10°C~60°C
- * **Frequency:** 868MHz
- * **Wireless transmit range:** Open distance 100M
- * **Display:** Led screen
- * **IP class:** IP21
- * **Connection:** M30x1.5mm



TRV Appearance



♦ IMPORTANT:

In "°C" state, press rotary plate 5 times continuously, the value display will be reversed, but the temperature symbol "°C" and "0.5°C" will not display.

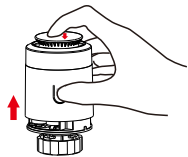
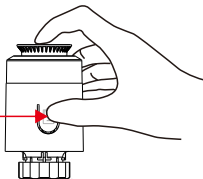
Schematic diagram of battery installation



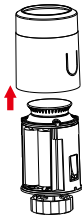
⚠ Warning

Do not unplug this rotary plate while installing the battery.

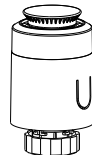
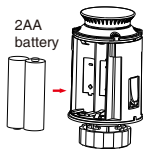
Thumbs lightly press here



Gently pull up the housing cover while pressing down on the rotary plate with the index finger.



2AA battery

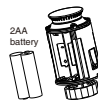


TRV Installation

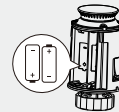
- 1 Put battery in battery compartment



Press buckle to take off cover

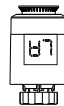


Attention:



* Pls install battery as picture "+" "-"

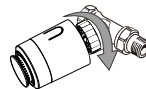
- 2 Display show "LR" flashing.



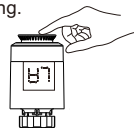
- 3 Once valve needle is flush with the base.



- 4 Install TRV with M30*1.5 screw thread Interface of valve .Tighten the copper ring.

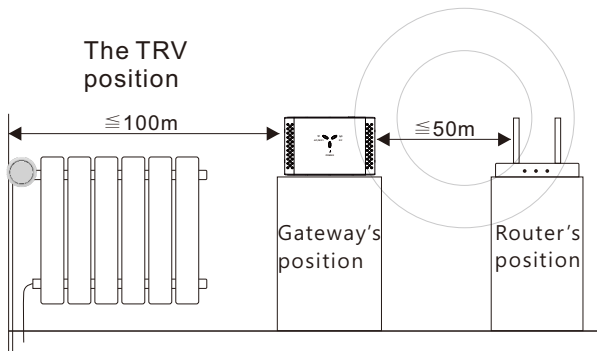


- 5 Press button on rotary plate lightly, it would flash "LR" TRV will match valve stroke, if match successfully, will active initial setting.



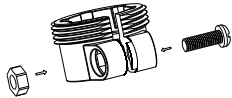
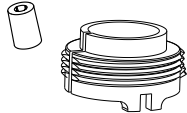
Installation Position

*TRV install with gateway within 100m.



Adapter Selection

Pls confirm valve diameter

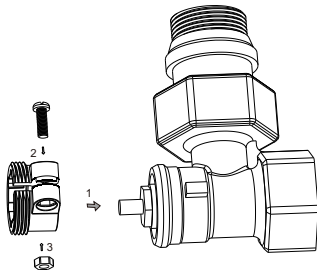
Danfoss	Caleffi	Giacomini
1/2 valve (RA)	1/2 valve	1/2 valve + short plunger
		

Adapter Installation

Danfoss

1/2 valve (RA)

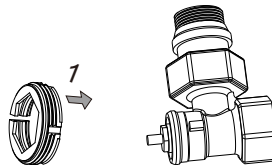
Please tighten the screws after fixing the valve connector



Caleffi

1/2 valve

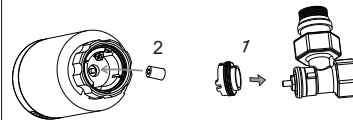
Adapter, please put directly on the valve.



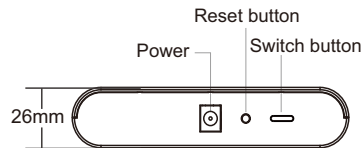
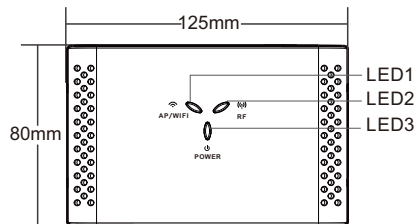
Giacomini

1/2 valve

Giacomini 1/2 valve need install short plunger at button of TRV .
Accessories, please put directly on the valve.



Gateway Appearance



Gateway indicator/button description

Indicator:

LED1:WIFI indicator :AP/WIFI

AP direct hot spot mode status:

The green light flashing fast

WIFI status: The blue light keep bright

LED2:RF indicator :



Wireless communication:The yellow light short flash

Enter match code mode:The yellow light keep bright

Match code successfully:The yellow light short flash

LED3:Equipment status indicator :

ON status:The green light keep bright

OFF status:The red light keep bright

Button description:

switch button:

long press 5s enter into RF match code mode.

Reset button:long press and then power on , waiting 5s enter into clean all data mode; in WIFI mode , long press 5s back to AP mode.

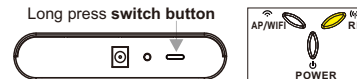
Gateway specifications

- **Power source** : Connect DC 5~12V 1A
- **IP Rating** : IP21
- **Operation temperature range**: 0°C~50°C
- **Shipping & storage temperature**: -10°C~60°C
- **Frequency** : 868MHz
- **Wireless transmit range** : Open distance 100M
- **WiFi Communication protocol** : TCP/IP, MQTT
- **WiFi frequency** : 2.412GHz-2.484GHz

Code Matching

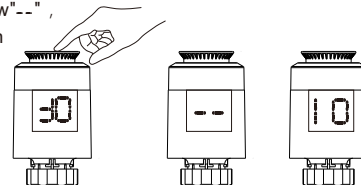
① Gateway:

After the gateway is powered on , long press the switch button for 5s to enter the code matching mode, and the yellow light is always bright.



② Controller:

Press button on rotary plate until the screen show "--" , and then release the TRV , then the TRV screen skips to the digital serial number "01~10".



Notice for use



ON / OFF

The temperature < 5°C , display "0F" . The temperature > 30°C , display "0n"



Open window function

When use radiator to heating , the window is opened , when room temperature drop 6°C , in 4 minutes. TRV will close valve automatic , display will show "0P" , When window is closed , meanwhile room temperature increase 3°C , TRV will open valve automatic , back to operation mode .



Anti-scale function

If radiator not open within two weeks or long time not open will let valve clogged as scale , radiator will be damaged. In order to let radiator to use normally , TRV will open valve running 30 seconds every two weeks , display will show "0S" , when run finished will recovery running condition .



Child lock function

In order to prevent TRV setting adjust by children , in power on state , long press rotary plate to use Child lock function , display will show "0L" , if required for unlock , pls long press the rotary plate for 10s.



Anti-freezing function

In the power off state, the screen show "0A"

Anti-freezing function: the valve will be opened when the temperature is below 5°C , when the temperature rises to 8°C , the valve will be closed.



Alarm

In the normal operation range:

NTC sensor damage , displaying: 0r



Low power alarm

When the battery voltage is extremely low , display the alarm symbol 0B , which remind that the user shall replace cells.



Temporarily override

When in programming mode , if you want to change the current programming temperature manually , please rotate the rotary plate to adjust the temperature you want to set , and the temperature will remain until the current programming time end of the period.

Link APP-Login

Download:

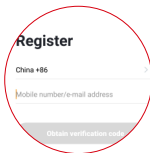
Click App store or Android application market to download "Tuya Smart" APP.



Registration and Login:
Click the "Register" to create account.
Enter your account password to log in



Register



Create account



Login

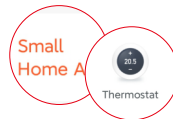
Link APP-Add devices

Add gateway: Long press gateway "RESET" for 4s until the green light flash quickly.

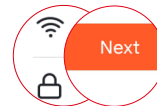
- 1 Enter the "HOME" interface of the app , Click the "+" in the upper right corner .



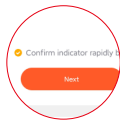
- 2 Click the list bar "Small Home Appliance" , Select "Thermostat" in the right device list.



- 3 Enter your wifi name and password, then click " Next " .



- ④ Select “Confirm indicator rapidly blink ” , Click “ Next ”



- ⑤ Wait for few seconds.



- ⑥ Device added successfully, click “Done” , then automatically jump to the sub-device adding interface.



*** Tips**

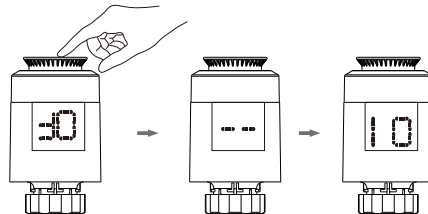
- Only 2.4GHz Wi-Fi networks are supported. please select a 2.4GHz network.

Add TRV :

- ① Click the “+Add subdevice”for enter the device list after the device is added successfully .



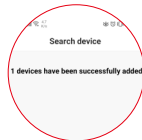
- ② For TRV: Press button on rotary plate until the screen show “ -- ”.



3 Click "LED already blink" on APP



4 Search device



5 Device added successfully , click "Done".



*** Tips**

- Gateway must be added before binding TRV.

Link APP-Contrtoller

Temperature Setting

After the TRV is added successfully , we can control the device through the APP.
Press ^ or v increase or decrease of the temperature.

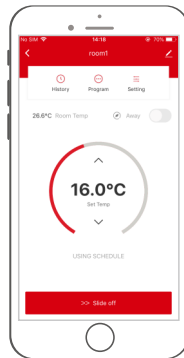
*** Tips**

Temporary override function:

Adjust the temperature on the current interface, which is effective only in the current period of time but override the original programming until next period of time.

Permanent override function:

Adjust the temperature on the current interface , and remain the current temperature all long.



Pown On/Off Setting

Click “>> Slide off” and drag to the right to achieve “slipping for power off” or “slipping for power on”.

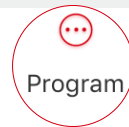


* Tips

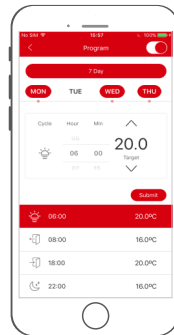
If you are away for a long time , no heating equipment is required at home and it is in the cold state , you can directly switch it off and our TRV can automatically enter the “anti-freezing mode” , which is started at the room temperature of less than 5°C and closed at the room temperature of over 8°C, so as to prevent the radiator from heating failure because of being frozen.

Programming Setting

- 1 Click the programming to enter the programming interface.

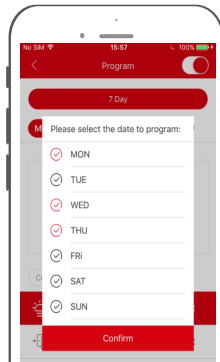


- 2 Selecting the period of time of 7-day programming , press“^”or “v” to set temperatures in the different periods of time.



Multi-day Programming Setting

- 1 Enter the programming interface and then click the “7-day” key.
- 2 Click the date to edit and confirm it.



Temporary Stay-out Setting

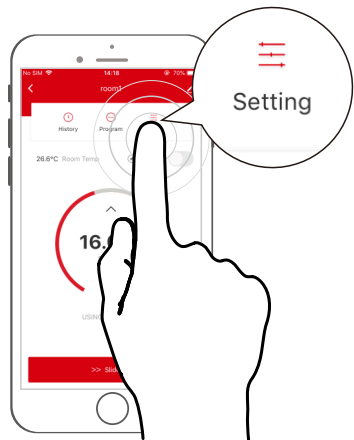
- 1 If you need to go out, please click Away key “”

The temperature can remain at 16°C , the energy-saving icon“  ” turns green and is on.

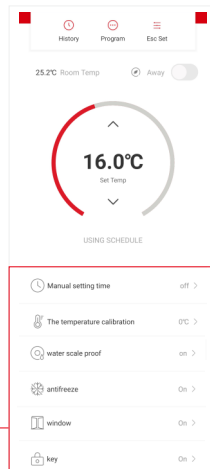


- 2 After you arrival at home , click Away key “” to active the previous temperature setting.

Implicit Parameter Setting



Implicit
parameter
setting



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.