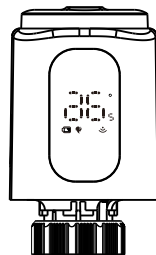


User Manual
SEA889-WIFI(TY)-TH

Thermostatic Radiator Valve
User Manual



SEA889-WIFI(TY)-TH

Content

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Specifications

Power source: 4x1.5V alkaline AA batteries
(LR6)(Don't use the rechargeable battery)

Temperature setting accuracy: 0.5°C

Temperature display range: 0°C~50°C

Setting temperature range: 5°C~30°C

Shipping & storage temperature: -10°C~60°C

Network frequency: 2.4GHz WIFI

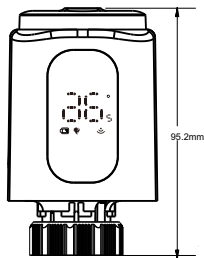
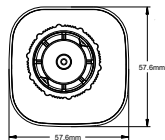
Display screen:LED

IP class:Ip21

Connection: M30x1.5mm

Low power consumption recommendations:

We suggest to turn on Energy-saving mode to extend battery life.



Appearance

Rotate to change temperature

Temperature shows

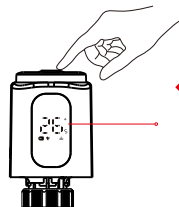
Low battery indicator

Heat output

Key lock / code match /
Button to change mode
(Programmable,Non-programmable)

Wifi

Programmable mode



◆ IMPORTANT:

In "OF" state, press rotary plate 5 times continuously,
the value display will be reversed.

Installing battery steps

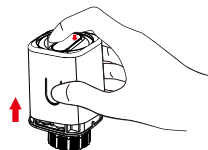
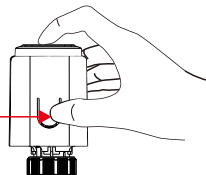


Warning

Do not unplug this rotary plate while installing the battery.

Press buckle to take off cover

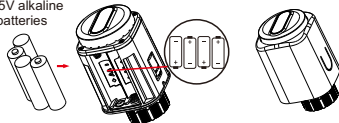
Thumbs lightly press here



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



4*1.5V alkaline AA batteries



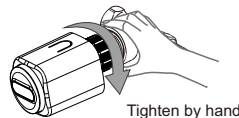
* Insert the batteries checking the polarities (+ / -) are correctly aligned.

Installation

① Display show "LH" flashing.



③ Install thermostat with M30*1.5 screw thread Interface of valve. Tighten the ring.



Tighten by hand

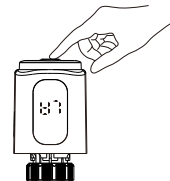
* Tips:

After tightening by hand, do not use a wrench to twist it twice, in case too much force and damage the ring.

② Once valve needle is flush with the base.

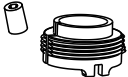
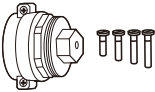


④ Press button on rotary plate lightly, it would flash "LH" thermostat will match valve stroke, if match successfully, will active initial setting.

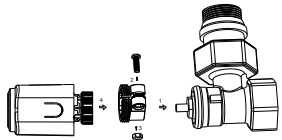
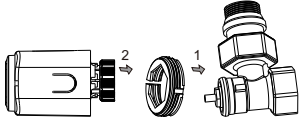


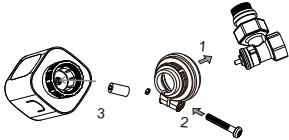
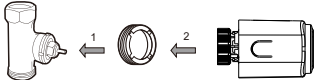
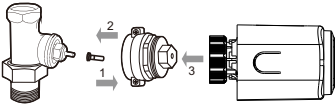
Adapter selection

Please confirm valve diameter

Standard	Danfoss	Caleffi	Giacomini
	1/2 valve (RA) 	1/2 valve 	1/2 valve+short plunger 
Optional	Danfoss		
	M28x1.5mm 	1/2 valve (RAVL) 	3/4 valve+long plunger (RAV) 

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 thermostatic radiator valve. Accessories, please put directly on the valve. 	

Danfoss	3/4 valve (RAV)																
Danfoss 3/4 valve need install long plunger at the bottom of controller. Accessories, please put directly on the valve, forced to press the adapter and valves can be stuck. Please tighten the screws after fixing the valve connector																	
Danfoss	1/2 valve (RAVL)																
Adapter, please put directly on the valve.																	
M28 Adapter																	
	<table><tr><th></th><th></th><th>H</th></tr><tr><td></td><td>SAM Slovarm</td><td>ca.1.0~3.0mm</td></tr><tr><td></td><td>TA Comap Markaryds</td><td>ca.6.5~8.5mm</td></tr><tr><td></td><td>Herz MMA Remagg</td><td>ca.8.5~10mm</td></tr><tr><td></td><td>Other</td><td>ca.10~12mm</td></tr></table>			H		SAM Slovarm	ca.1.0~3.0mm		TA Comap Markaryds	ca.6.5~8.5mm		Herz MMA Remagg	ca.8.5~10mm		Other	ca.10~12mm	Slide the correct pin extension into the adapter with the head of the extension facing the valve pin. Then thread the assembled adapter onto the valve until it completely covers the valve threads. 
		H															
	SAM Slovarm	ca.1.0~3.0mm															
	TA Comap Markaryds	ca.6.5~8.5mm															
	Herz MMA Remagg	ca.8.5~10mm															
	Other	ca.10~12mm															

Notice for use

Valve state: ON / OFF

Setting temperature < 5°C, display "OF"

Setting temperature > 30°C, display "ON"

Open window function

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

Anti-scale function

If the radiator is not opened for more than two weeks, the valve may be blocked by scale and the radiator may be damaged. In order to let radiator to use normally, thermostatic radiator valve will open valve running 30 seconds every two weeks, display will show "Ad", when run finished will recovery running condition.

Tips: The anti-scale function can be activated by pressing rotary plate 5 times continuously in "ON" state until the display shows "Ad". Pressing rotary plate 5 times continuously again until the display shows "Af" to turn off anti-scale function.



Energy-saving

After entering the energy-saving mode, the app can not control the device within 00:00~06:00, but the device is working normally.

The energy-saving mode can be activated by long pressing rotary plate over 5s in "00" state until the display shows "01". Long pressing rotary plate 5s again until the display shows "00" to exit energy-saving mode.



Anti-freezing function

In the power-off state, the screen displays "🔥", which means the antifreeze function is turned on, 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.



Child lock function

To prevent children from setting thermostat, the child lock function can be activated by long pressing the rotating plate until the display shows "🔒". Long press rotary plate again over 10s to unlock.

Geofencing function

When it detects that no one is at home, the thermostat will turn off the heating to save energy. Users can operate the settings through the APP.



Alarm

In the normal operation range:
NTC sensor damage, display: E7



Low power alarm

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



Temporarily override

Adjusting the temperature in the current interface is only valid within the current period of time, but the original programming will be restored in the next period of time.

Default programming (4 period programming)

Wake up		Out door		Back home		Sleep	
6:00	20°C	8:00	16°C	18:00	20°C	22:00	16°C

Link APP (Login)

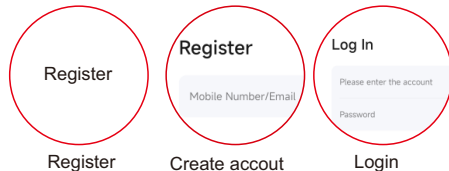
Download:

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



Registration and Login:

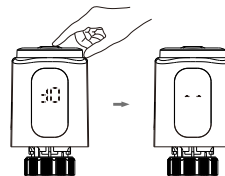
Click the "Register" to create account. Enter your account password to log in



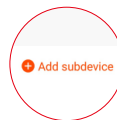
Link APP

Tips: Turn on Bluetooth and wifi on your mobilephone.

- 1 For thermostatic radiator valve: In "OF" state, long press rotary plate until the screen show "--".



- 2 Click "Add subdevice" to enter the device list.



- 3 Click the device which you want to add.



- 4 Enter wi fi account & password,
then click "Next".



- 5 Search device
Wait a few seconds until the thermostatic
radiator valve appears "PP"

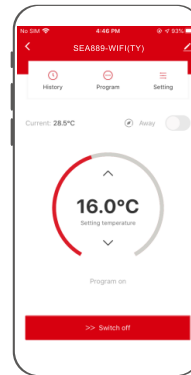


- 6 Click "Done", it means the device added successfully.



Temperature setting

After the thermostat is added successfully, we can control the device through the APP.
Press $\wedge$ or $\vee$ for increase or decrease of the temperature.



* Tips

Under the thermostat opening programming function:

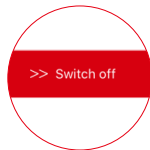
Adjust the temperature on the current interface, which is effective only in the current period of time but recovers the original programming in the next period of time.

Under the thermostat canceling programming function:

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

Power On/Off setting

Click ">> Switch off" and drag to the right to achieve "slipping for power off" or "slipping for power on".



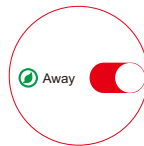
* Tips

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 thermostat 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.

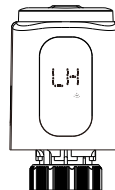
Temporary stay-out setting

- 1 If you need to stay out temporarily, 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 "On" key to recover the previous temperature setting.



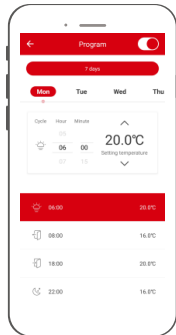
Thermostat displays "16"

Programming setting

- 1 Click the programming to enter the programming interface.



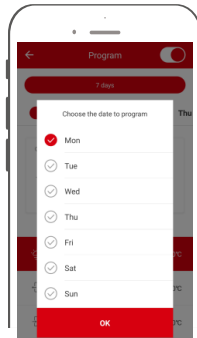
- 2 Selecting the period of time of 7-day programming, press “^” or “v” to set temperatures in the different periods of time.



- 3 Enter the programming interface and then click the “7-day” key.

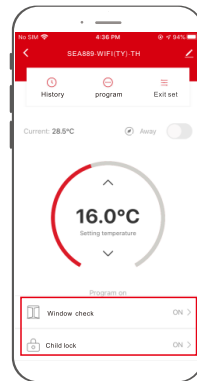
7 Day

- 4 Click the date to be edited and confirm it.



Implicit parameter setting

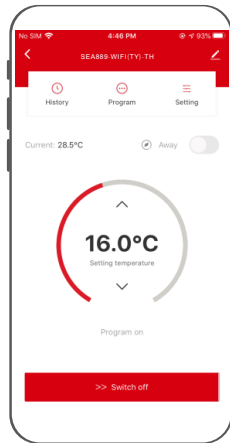
Click “Setting” to enter the Implicit parameter setting interface.



Slide to set more parameter

	Energy-saving	ON >
	Antifreeze	ON >
	Window check	ON >
	Child lock	ON >
	Temperature calibration	0°C >

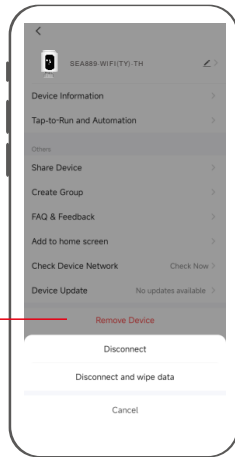
Exit network / Remove devices



① Click the button “

② Click “Remove device”.

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.
- * Whatisthetemperatureofbedroom?

Google Assistant

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

Tips: you need connect to the Google speaker

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