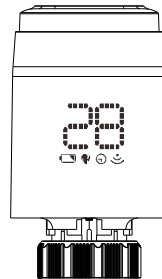


User Manual

SEA888-Z03

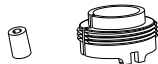
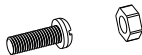
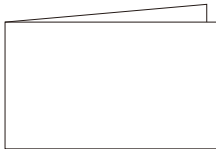
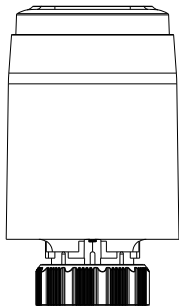
Thermostatic Radiator Valve

User Manual



SEA888-Z03

What is in the box?

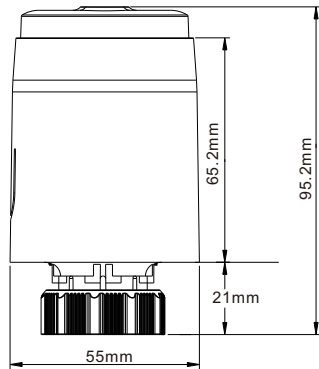


Content

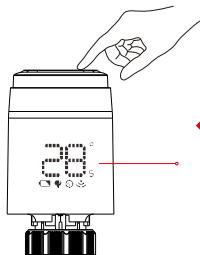
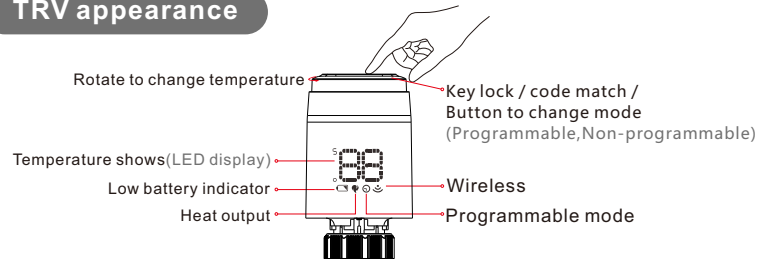
TRV Introduction	01
Adaptor Introduction.....	05
Notice For Use.....	08
Link APP	10

TRV specifications

- * **Power source:** 2AA battery (Don't use the rechargeable battery)
- * **Battery lifetime:** 1year
- * **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:** 2.4GHz
- * **Wireless transmit range:** Open distance 30M
- * **Display:** LED screen
- * **IP class:** IP21
- * **Connection:** M30x1.5mm



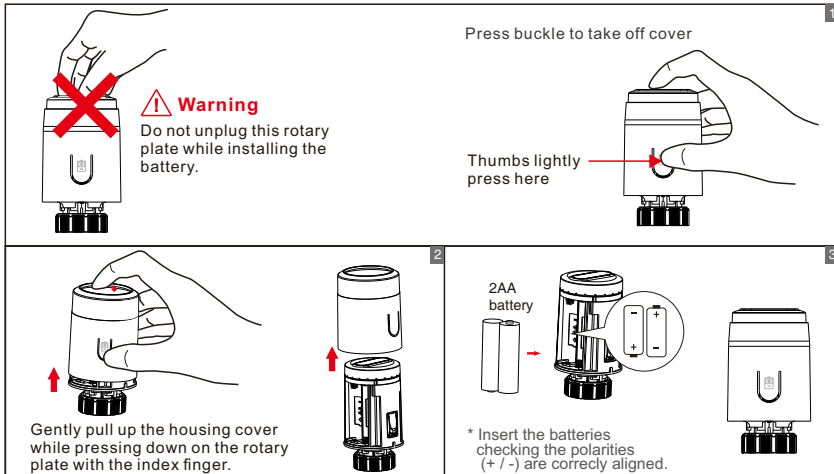
TRV appearance



◆ IMPORTANT:

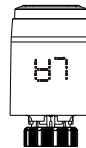
In "OF" state, press rotary plate 5 times continuously, the value display will be reversed.

Schematic diagram of battery installation

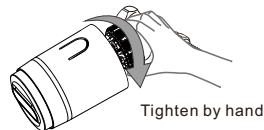


TRV installation

1 Display show "LR" flashing.



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

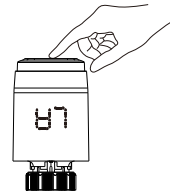


*** Tips:** After tightening by hand, do not use a wrench to twist it twice, in case too much force and damage the plastic ring.

2 Once valve needle is flush with the base.

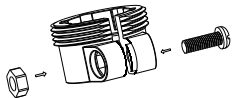
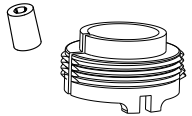


4 Press button on rotary plate lightly, it would flash "LR" TRV will match valve stroke, if match successfully, will active initial setting.



Adapter selection

Pls confirm valve diameter

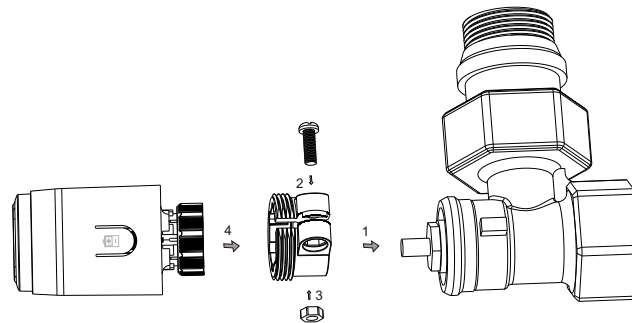
Danfoss	Caleffi	Giacomini
1/2 valve (RA)	1/2 valve	1/2 valve + short plunger
		

Adapter installation

Danfoss

1/2 valve (RA)

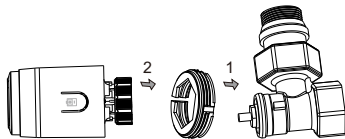
Please tighten the screws after fixing the valve connector



Caleffi

1/2 valve

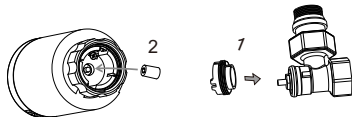
Adapter, please put directly on the valve.



Giacomini

1/2 valve

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



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 "0d", when run finished will recovery running condition.

Child lock function

In order to prevent TRV setting from children, it could activate child lock function by long press rotary plate until display show "LC". Long press rotary plate again over 8s to unlock.

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.

Anti-freezing function

In the power off state, the screen show“ ”

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

Alarm

In the normal operation range:

NTC sensor damage , display: E_r

Low power alarm

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

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.

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)

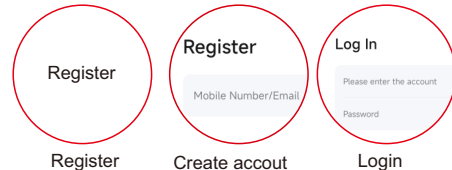
Download:

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



Registration and Login:

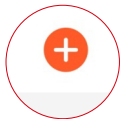
Click the “Register” to create account.
Enter your account password to log in



Link APP (Add devices)

Add gateway:

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



- 2 Click the list bar "Gateway Control ", select the Gateway (Zigbee) in the right device list.

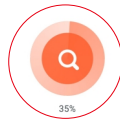


Tips: if your gateway is wired,
please click " Gateway(Zigbee) "

- 3 Enter your wifi account and password
Click " Confirm "



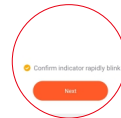
- 5 wait a few seconds until the search progress is 100%



* 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.

- 4 Make sure the red light is blinking fast.
Click " Next "

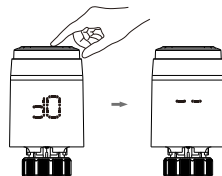


- 6 Click "Done", it means the gateway added successfully.

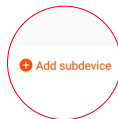


Add TRV

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



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



- 3 Click "LED already blink"



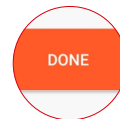
- 4 Search device
Wait a few seconds until the TRV appears "PP".



- 6 Select the type of device you want to add (TRV).



- 5 Click "Done", it means the TRV added successfully.

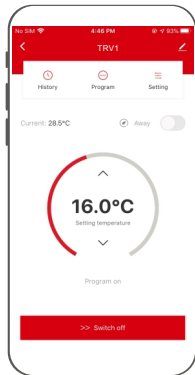


* Tips

- Gateway must be added before adding TRV.

Temperature setting

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



* Tips

Under the TRV opening programming function:

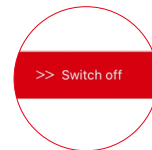
Adjust the temperature on the current interface, which is effective only in the current period of time but recovers the original programming in the next period of time.

Under the TRV 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

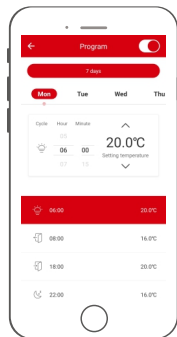
If you are away for a long time, no heating equipment is required at home and it is in the cold state, you can directly switch it off and our TRV can automatically enter the "anti-freezing mode", which is started at the room temperature of less than 5°C and closed at the room temperature of over 8°C,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

Programming setting

- 1 Click the programming to enter the programming interface.



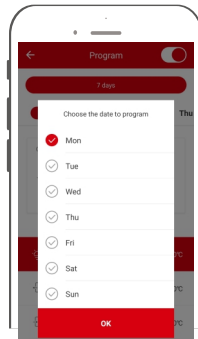
- 2 Selecting the period of time of 7-day programming, press “^” or “v” to set temperatures in the different periods of time.



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

7 Day

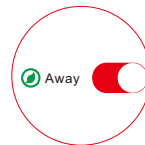
- 4 Click the date to be edited and confirm it.



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

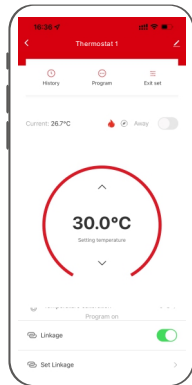


- 2 After you arrival at home, click “” key to recover the previous temperature setting.

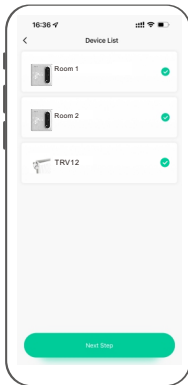


TRV displays “UH”

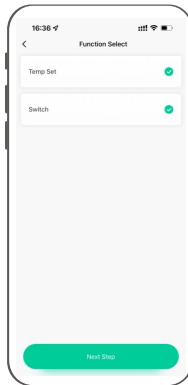
Linkage Setting



1 Click "Set Linkage"

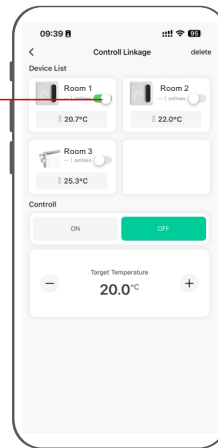


2 Select the device you need to add, click "Next Step"



3 Select the function you need to adjust, click "Next Step"

Master control switch
When you set a master control, the icon turn green.



Linkage group function:

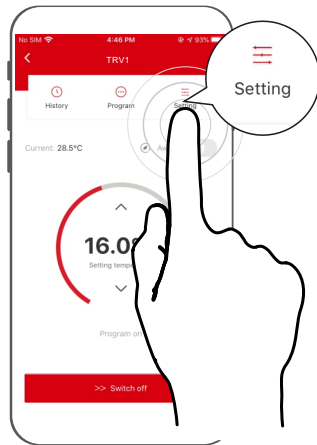
When there is multiple TRVs in a house, create groups to realize center control of several TRVs. Set a master control in a group, so all the other TRVs in same group working accordance with the master control (ON/OFF/ Setting temperature).

The master controller can be a wall mountable thermostat SAS936RHB-7-Z03 or any TRV in this group.

One house can existing several groups.

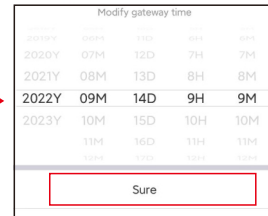
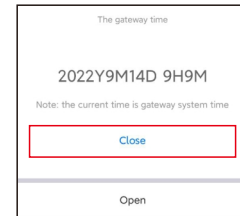
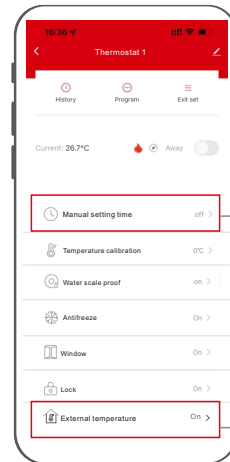
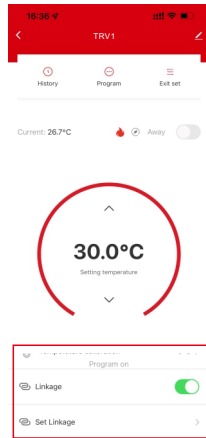
* Tips: Please turn off the TRV program before setting linkage group.

Implicit parameter setting



Manual setting time	off >
Temperature calibration	0°C >
Water scale proof	on >
Antifreeze	On >
Window	On >
Lock	On >
External temperature	On >

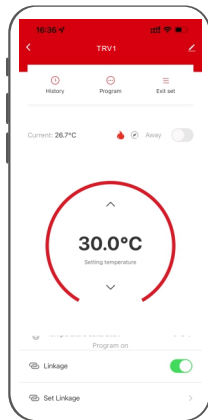
Slide up and down to view more parameters



Click here to set time manually.

Click to select "On" or "Off"

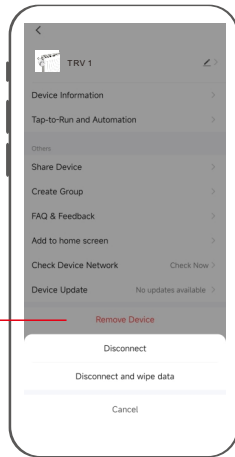
Exit network /Remove devices



① Click the button “”
In the upper right corner of
the programming interface

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.
- * What is the temperature of bedroom?

Google Assistant

Tips: you need connect to the Google speaker

- * Turn on bedroom.
- * Turn off bedroom.
- * Raise the bedroom by 1 degree.
- * Drop the bedroom by 1 degree.
- * Set the bedroom to 16 degrees.
- * What is the temperature of bedroom?

* Tips: bedroom is the device name. You can name it by yourself.

* The temperature unit of thermostat and speaker must be the same.