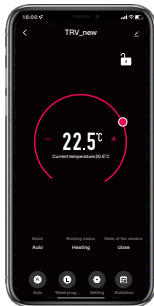


LED ZigBee Smart Thermostatic Radiator Valve

Supporting remote control by smart life app,
voice control by Amazon Alexa and Google Assistant









Powered by



English

Version:1.0(12/2022) 71.04.00204

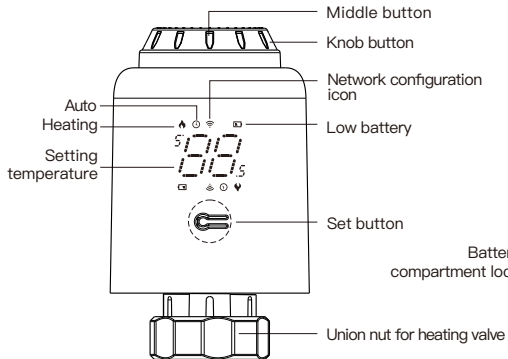
Standard accessories

					
<p>TRV</p>			<p>User Manual</p>		
					
<p>For Danfoss RA valves</p>	<p>For Danfoss RAV valves</p>	<p>For Danfoss RAVL valves</p>	<p>For Caleffi valves</p>	<p>For Giacomini valves</p>	<p>For M28 valves</p>
<p>Adapters</p>					

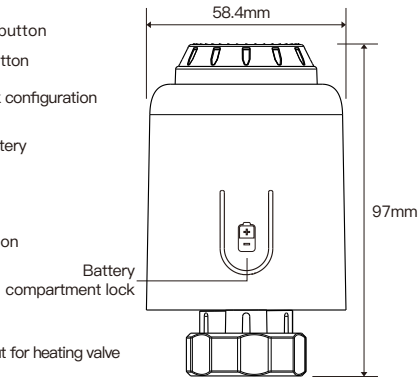
Technical specifications

Power Supply:	3 x 1.5 V alkaline AA batteries (not included)
Standby Current:	6 μ A Min
Protection Degree:	IP20
Ambient Temperature:	0~50°C
Surface Temperature:	90°C Max (at the radiator)
Connection:	M30 x 1.5mm
Linear Travel:	4.3 mm
Dimensions(W x H x D):	58.4mm x 97mm x 58.4mm
Net Weight:	145 g

① Interface and buttons



② Dimentions



Installation

English

- ① Press the battery compartment lock, remove the cover, and insert the batteries.



*Attention:

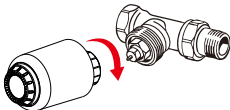
While inserting the batteries, please make sure the polarity of battery (+/-) is aligned.



- ② Initialize, the mandrel pull back, then “17” is displayed and blinking on the screen.

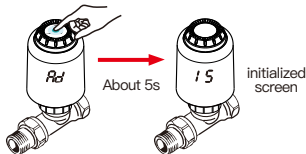


- ③ When “17” stop blinking, install the TRV union nut with M30*1.5 thread for heating valve, and then tighten the nut.

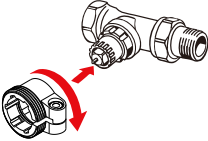
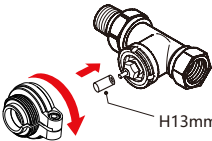
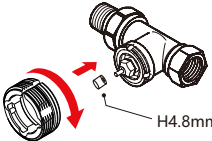
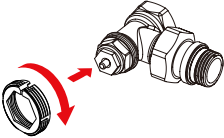
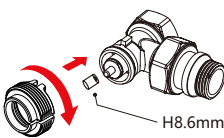
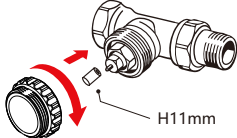


▲ Note: The valve must be installed, otherwise the **F5 error code** will be prompted.

- ④ Press the middle button, “Pd” start blinking, and the device enter valve-adjusting process. After several seconds, the adjustment is completed when initialized screen is displayed.



How to install the adapter correctly

For Danfoss RA valves	For Danfoss RAV valves	For Danfoss RAVL valves
	 <p>H13mm</p>	 <p>H4.8mm</p>
For Caleffi valves	For Giacomini valves	For M28 valves
	 <p>H8.6mm</p>	 <p>H11mm</p>

Temperature control mode

Press the middle button to switch between Auto mode and Manual mode.

- **Auto mode**

When “🕒” is displayed on the screen, it is under Auto mode. Four time periods and setting temperature could be programmed per day, one week as a cycle, based on customized needs.

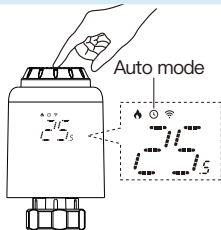
- **Manual mode**

When “🕒” is not displayed on the screen, it is under Manual mode. The device will work according to current setting temperature, without controlled by the time period program.

- **Temporary mode**

Under Auto mode, “🕒” will be blinking after setting temperature, and then it will enter Temporary mode. The device is switched to Manual mode temporarily, without controlled by the time period program. It will return to Auto mode by next time period.

*** Attention:** Only Manual mode is available when the device is not connected to Internet.



Stop heating and pause heating

- **ON:** In summer, rotate the knob clockwise until “*ON*” is displayed under manual mode to stop heating. At this time, the heating valve is fully open. This can extend the use life of valve.
- **OFF:** In winter, rotate the knob counterclockwise until “*OFF*” is displayed under manual mode to pause heating temporarily. At this time, the heating valve is closed and the frost protection is activated.

***Attention:** After the antifreeze function is activated, the valve will open when the room temperature is lower than 5°C, and the valve will be closed when the room temperature exceeds 7°C to prevent damage to the radiator thermostatic valve due to freezing



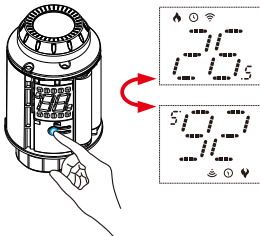
Function Introduction

English

- **Adjust setting temperature:** Rotate the knob to adjust setting temperature, stepping by 0.5°C.



- **Screen rotation:** Long press the Set Button for 3 seconds to switch the screen display direction.



Function Introduction

English

- **Open-window function:** When “*OP*” is displayed on the screen, the open-window function is activated. The device can identify whether the window is open, and when cold air is detected indoor, the setting temperature will be adjusted to 12°C within 30 min. Any operation in the device will deactivate this function.



- **Anti-scale:** TRV executes routine decalcification every Monday at 12:00 to protect the valve from calcification. “*CA*” will be displayed on the screen during decalcification.



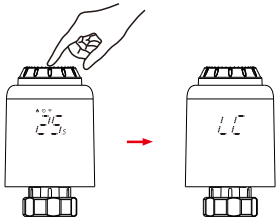
***Attention:** When the open-window function is activated, following operations will terminate it from taking effect.

- ① Temperature setting operation on the APP or device.
- ② The detected temperature rises by more than 1.5°C within 4.5 minutes.
- ③ No operation on the APP or device within 30 minutes.

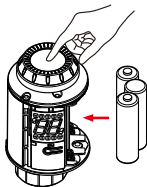
Function Introduction

English

- **Child lock function:** Long press the middle button for 3 seconds until “**LL**” is displayed on the screen to activate the child lock. While the device is locked, long press middle button for 3 seconds until “**LL**” disappear to deactivate the child lock.



- **Restore factory settings:** Long press the middle button and insert the battery at the same time until “**FR**” is displayed on the screen and blinking for 3 seconds, the device will be restored to factory settings and restarted.

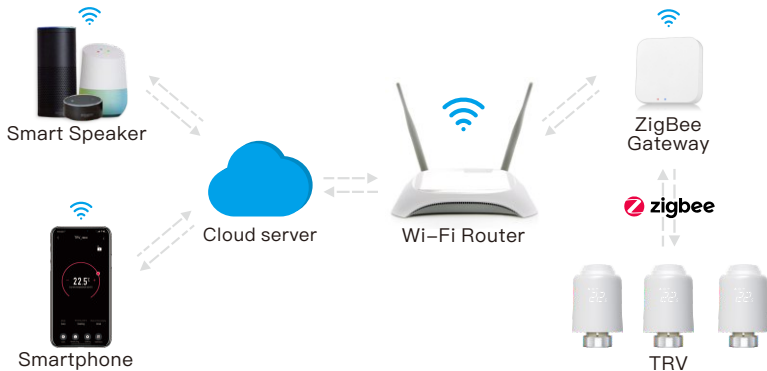


***Attention:** Once the device is restored to factory settings, all previous settings can not be recovered.

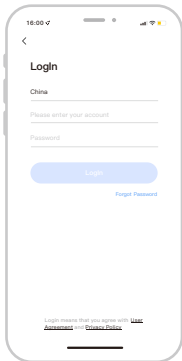
Function Introduction

English

APP remote control and voice control



Download Smart Life APP



Scan the QR code above or search “Smart Life” on App Store and Google Play to download the Smart Life APP.

Add gateway

***Attention:** Please turn on the Bluetooth of your mobile phone before adding a gateway. And ensure that the smartphone OS allows the Smartlife APP to access the Bluetooth function.

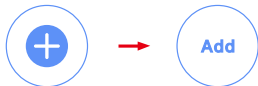
- ① After the gateway is powered on, the “**red light**” of the device about 10 seconds later, and the gateway enters the network configuration stat



- ③ Select 2.4G Wi-Fi and enter the password, click “**Next**”, and then wait for the network configuration to finish.



- ② Enter the “Home” interface of the APP, click “**+**” in the upper right corner, select “**Add Device**”. The system will automatically detect the device and click “**Add**”.

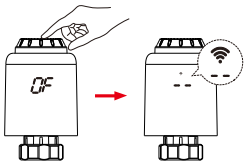


- ④ Wait a moment until the device is found and initialized, then click “**Done**” to finish.



Add device

- ① Under manual mode, rotate the knob counterclockwise until “OF” is displayed. Then long press the middle button for 3 seconds until “📶” is blinking.
- ② In the APP gateway interface, select “Zigbee device list”, click “Add Device”, wait for several seconds to search, the system will automatically search and add devices, and then click “Done”.



***Attention:** Network configuration can only be done under manual mode.

The gateway must be added before adding TRV.
The TRV must be added in the page of gateway.

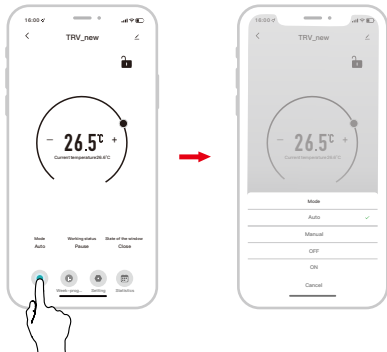


- ③ After the device is named, click “Done”, the radiator thermostatic valve is added.



Mode selection

- Click “A” to select mode.



***Attention:** Click “+” or “-” to adjust the setting temperature.

Auto mode: Four time periods and setting temp. could be programmed per day, one week as a cycle, based on customized needs.

Manual mode: The device will work according to current setting temp. without controlled by the time period program.

OFF mode: The valve will be closed to stop heating.

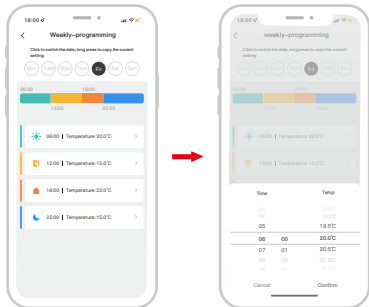
ON mode: The valve will open in heating.

Weekly programming

① Click “**L**” to enter the Weekly programming page.

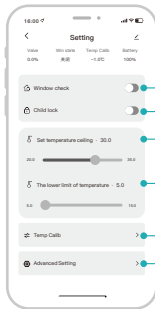


② Set four time periods and setting temperature based on customized needs.



Setting

- Click “” to enter the advanced setting page.



Window check switch

Child lock switch

Set temperature ceiling

The lower limit of temperature

Temp Calib

Advanced Setting

Statistics

- Click “



Temperature statistics

Time

Valve Open Degree

Device sharing function * Example of mobile Phone A sharing mobile Phone B

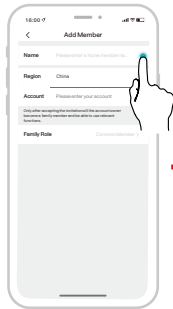
- Share the device to other family members, allowing them to remotely control the TRV device.



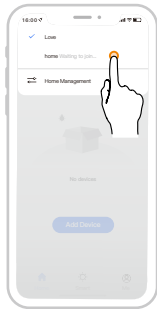
① Click the Menu button, then click "Share Device".



② Click "Add home member".



③ Fill in account information of home member.



④ Mobile phone B agrees to join.

Voice control

- After waking up the speaker, you can say:

Amazon Alexa : Alexa,


- * Set the DEVICENAME to 26 degree.
- * Drop the DEVICENAME by 1 degree.
- * Raise the DEVICENAME by 1 degree.
- * Make the DEVICENAME warmer.
- * What temperature is the DEVICENAME set to.
- * Set the DEVICENAME to automatic.

Google Assistant : OK google,

- * Set the DEVICENAME to 23 degree.
- * Set the DEVICENAME temperature to 25.
- * What is the temperature of DEVICENAME.
- * Set the DEVICENAME to auto.

***Attention:** “ DEVICENAME ” is the device name, you can also name it yourself.
The temperature unit of TRV and smart speaker must be identical.

Troubleshooting and maintenance

Error code	Problem	Solution
F0	Temperature sensor abnormality	Contact after-sales staff
F1	Slow valve operation	Check the installation and heating valve
F2	The stroke is too long	Check the fastening of TRV
F3	The stroke is too short	Check the heating valve
F4	Running out of battery	Replace batteries immediately
F5	Valve not detected	To check if the valve is installed
Battery symbol ()	Low battery	Replace batteries within 1 week