

This product is for controlling water heating systems

only. Avoid high temperatures and humidity for the battery. If you notice unusual issues like overheating, leaks, or strange smells, stop using it immediately and contact a professional. Do not disassemble or attempt repairs vourself. Our products comply with the following regulations:

○ CE conformity (RED, LVD, EMC). RoHS conformity.

Access the online Instructions



Scan the QR code to get more information.

Press the "Plus Button" or

"Minus Button" to adjust the

temperature per level in 0.5

increments

Short press the "Mode Button" to switch between four

This mode ensures ideal indoor temperature. When

enabled, the heating system adjusts to the pre-set

comfort temperature, constantly maintaining it to keep

ECO mode is an energy-saving feature that maintains

prevent excessive heating and energy waste, ensuring

basic indoor comfort and significant energy savings.

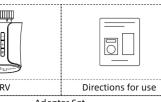
This mode prevents pipe freezing by maintaining a

safe temperature of 5°C when activated, ideal for

the temperature slightly below comfort level to

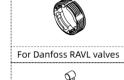
standard modes and programming mode "O".

portant Note: This product must use LR6 alkaline patteries. It is recommended to choose new, high-quality atteries and regularly check the battery level to ensure it meets temperature control needs. When the TRV or app shows a low battery, please replace the batteries as soon



Adapter Set

For Danfoss RA valves



For Giacomini valves

U OFF Mode

the valve.

How to set OFF mode:

temperature rises above 7 °C.

in programming mode.

Configure temperature and

• If the screen says "O" the device is

schedules via the dedicated mobile

up to 6 programs daily with 4 mode

options (Comfort mode, ECO mode,

Frost Protection mode, and Custom

app with smart programming. Set

(§) Programming Mode

mode).

Technical Specifications

Power	3 x 1.5 V Alkaline AA batteries		
Standby current	6 μA Min		
Operating temperature	0 ~ 50 °C, for indoor use only		
Storage temperature	-20 ~ 70 °C		
Communication Protocol	IEEE 802.15.4, Tuya Zigbee 3.0		
Radio frequency range	2.400GHz ~ 2.4835GHz		
Temperature sensor	NTC,B=3380,R25=10KΩ±1%		
Protection level	IP20		
Surface temperature	90 °C Max (at the radiator)		
Connection	M30 x 1.5 mm		
inear travel	6 mm		
Compatibility	Compatible with most radiators available on the market.		
Dimensions(W x H x D)	59.7 mm x 95.3 mm x 59.7 mm		
Weight	145 g		
Device overview			

• Indicator Light

.ED Light	Meaning
8888	Usually the room temperature is displayed when "ser" is turned on, the target temperature is displayed.
ę	If there is no connection to the mains, it is turned off. When connecting to the network, it will flash. Once the network connection is successfully established, it will light up.
555	Heating
©	Programming mode
<u>_</u>	Custom mode
*	Comfort mode (Default: 20 °C)
D	ECO mode (Default: 15 °C)
*	Anti-Frost mode (Default: 5 °C)
ტ	OFF mode (OFF)
۵	Vacation mode
BOOST	Boost mode
田	Window opening detection
Ð	Child lock function
Œ	If the battery charge drops below 20%, the indicator light stays on, and you should replace the battery right away.

Radiator Thermostat Installation Guide

Step 1: Install/Replace Batteries Installation steps:

- 1. Press the battery compartment lock and lift the cover upwards to remove the battery cover.
- 2. Insert 3 new LR6 AA batteries into the battery compartment and press it down.
- 3. After installing the battery, the device displays ", 85a". Press the "Set Button" briefly to adjust the screen to the appropriate direction.



Step 2: Install Adapte

- First, check if your valve interface is M30 x 1.5 mm. • If your valve interface is M30 x 1.5 mm, you can
- If your valve interface is not M30 x 1.5 mm, you need to mount the adapter on the valve.

- 2. Choose the correct adapter.

O Activating Switch-On Mode & Heating Pause

sure it's properly secured for correct operation.

For valves without M30×1.5 mm interface, an adapter installation is required. Please refer to the adapter installation diagram below:





2. After the "- 855" loading animation ends, use the valve nut to attach the device to the radiator.

Step 3: Install Thermostat

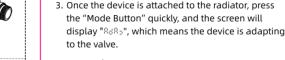
1. Please wait for the " 055" animation to complete.

When you see the "-852" animation loading, it

Important: The valve must be installed otherwise,

an F5 error code will be displayed.

indicates that the device is initializing.







4. When the device adaptation is successful, the screen will display the initialized screen

these steps 1. First, check the following items:



- animation. Wait for the initialization animation to

F5 error persists, please contact the retailer for technical support.



Device Connection

Step 1: Download the Smart Life app



Scan the OR code above or search for "Smart Life" in the App Store or Google Play to install the Smart Life app and sign in to your account.

Step 2: Add Gateway

Attention: This thermostat requires a Tuya Zigbee gateway to operate. Please set up the gateway before connecting this device, Ensure that Bluetooth and Wi-Fi are enabled on your smartphone and that the Smart Life app has permission to access Bluetooth functionality.

① Please power on the Zigbee gateway device. Press and hold the button for 5 seconds until the red light starts flashing. The device enters Wi-Fi setup mode.



② Open the app's "Home"

interface, click on "+ in the

"Gateway Control - Wireless

Gateway (Zigbee)".

upper right corner and select

Enter Network Configuration Mode

until the screen displays "088".

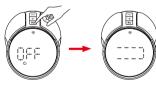


3 seconds. When "::::3" begins circular animation on the display, the device has successfully entered network configuration mode.

works with
Google Home

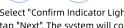
Version:1.1(01/2025) 71.04.00568

Radiator Valve



- select your gateway.

















Main Function

.Temperature Setting

2.Temperature Control Mode

★ Comfort Mode (Default: 20 °C)

Four Standard Modes

your home cozy and warm.

D ECO Mode (Default: 15 °C)

★ Anti-frost Mode (Default: 5 °C)

extended absences or colder climates.

product manuals, videos and

Standard Accessories

For Danfoss RAV valves

• If heating is not required in the room,

switch the device to OFF mode to close

① Method 1: press the "Minus Button"

until "088" appears on the display.

Button" to switch between modes.

② Method 2: Short press the "Mode

Frost Protection Function: If frost protection has been

automatically enable frost protection function even in

OFF mode to prevent the valve system from freezing.

room temperature falls below 5 °C and closes when

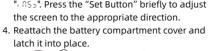
Operating Logic: The valve opens automatically when

activated in the software settings, the device will

For M28 valves

Set Button

-compartmen







directly install the product on the valve.

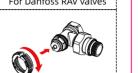
Installation steps:

1. Check your valve's connector type.

3. Firmly screw the adapter onto the valve and make











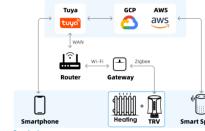
For Giacomini valves For M28 valves

- Is the installation location correct?
- Is the valve body compatible?
- 2. With the product display screen lit up, briefly press the "Mode Button". 3. The product display will show " #85." initialization

If you encounter an F5 error code, please follow

finish, and the F5 error code status will be cleared. Attention: Keep power stable during install. If the

Network Topology Diagram





Attention: The gateway must be added before adding TRV.

3 Select 2.4 GHz Wi-Fi and enter the password, click

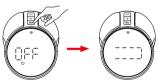
"Next". Wait for a while for the device to be successfully

added, then click "Done" to complete the installation.

1. In custom mode, press and hold the "Minus Button"



2. Press and hold the "Mode Button" for a minimum of



Add Device via app

- select "Add Device", and scroll to the bottom.
- Select "Confirm Indicator Light is Flashing" ,and











works with Smart Life

Open the app's "Home" screen, tap the " "icon

Tap "Other", then "Other Devices (Zigbee)", and

- tap "Next". The system will connect to the device.
- tap "Done" to complete the installation.

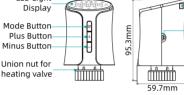
Wait for the device to be added successfully, then





For Caleffi valves





Custom Mode When "6" is displayed on the screen, the device is in custom mode.

When the device is in any of the four standard modes.

Short press the "Plus Button" or "Minus Button" will

Attention: Before initial network configuration, the device has limited functionality. Programming, Vacation, and Boost Modes are temporarily disabled

Vacation Mode

previous mode.

You can choose this mode only in

the app. When activated, " @ "and

"∗" is appear on the screen.

Vacation Mode temperature follows Anti-freeze

activate custom mode "&". Mode temperature. To exit Vacation Mode manually, press and hold

set using the button. It remains activated until the next manual change.

· This mode is used when you are in the vacation. You can specify the duration, and the device will switch to antifreeze mode for to activate this period. After of the duration, the device automatically switches tothe

and will be available once network setup is

previous mode. The temperature is controlled according to the value **Boost Mode**

 In vacation or Programming mode, activate boost mode by setting a duration. The device will switch to boost mode and then return to the previous setting.

app. When it is activated, "BOOST" is

displayed on the screen.

Boost mode is automatically disabled when the device is turned off. You can only choose this mode on

the "Mode Button" for 3 seconds to return to the

in the pipes, setting the device to "On-Mode" will forcefully open the valve to heat the indoor space.

② Summer Operation: If the external hot water supply is turned off and there is no hot water in the pipes, setting the device to "On-Mode" will not heat the indoor space. This setting allows the internal spring of the valve to retract, which helps extend its lifespan.

• Press the "Plus Button" until "DN" displays.

1 Winter Operation: If the external hot water

supply is turned on and hot water is present

This action will fully open the valve.

Tap the "Set Button" on the device to change the screen



orientation.

The operation of the device can be

locked to prevent settings from

displayed/disappear on the screen.

being changed unintentionally. To activate/deactivate childlock, press and hold Mode key "8" for 3 seconds and " 🗈 " will be

5.Detection of Window Opening

 If the room temperature drops over 1.5°C in 5 minutes while heating, the device activates window detection and stops

Activate the window function to

close the valve for 30 minutes,

the app or on the device.

with status shown on the screen. Attention: The detection can be cancelled by: 1. Setting the temperature or changing the mode in

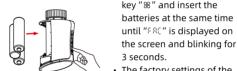
. The detected temperature rises by more than 1.5°C within 4.5 minutes 3. No action, the detection will automatically stop

6.Anti-Limescale Protection The device turns on automatically

after 30 minutes.

- every Monday at 12:00 p.m. for maintenance to prevent the device's valve calcification.
- During this time, "CRL" on the screen.

7.Restoring Factory Settings · Press and hold the Mode



the screen and blinking for 3 seconds. The factory settings of the device will be restored and

the device will be restart.

Attention: If you restore the factory settings, all previous settings will be lost.

8. Power Failure Memory Function The device maintains the current working mode and resumes the previous mode when it is turned back on

The system modes determine how the device controls

and regulates the heating process. ON-OFF Mode

after a power failure.

9.System Mode (For App Use Only)

In this mode, the valve operates in a fully open (100%) or fully closed (0%) manner. When heating is activated, the valve opens completely; when heating is turned off, the valve closes completely. Throughout this process, the valve position remains fixed and does not make any adjustments.

PID Mode

temperature, maintaining a comfortable room temperature with minimal fluctuations. 1. PID mode typically consumes more energy than

In this mode, the valve continuously adjusts its opening

percentage. This gradual adjustment helps align the

ON-OFF mode. Please select the system mode

that best suits your needs.

be adjusted in ON-OFF mode.

actual heating temperature with the desired target

. Frequent switching between system modes may negatively impact device performance; therefore

10.Switching Hysteresis (For App Use Only) Range: 0.5-5°C

Attention: The switching hysteresis setting can only

, it is recommended to operate it with caution.

The switching hysteresis function reduces frequent switching by allowing downward deviation. For example, with a target temperature set to 25°C and a hysteresis of 0.5°C, the device will activate heating at 24.5°C and deactivate at 25°C

11.Calibration (For App Use Only) The temperature calibration function allows users to

adjust the device's temperature measurements to ensure accurate readings. How to Calibrate:

1. In the app, navigate to Settings > Temperature > Calibration. 2. Adjust the device's temperature readings as needed

3. Save the settings to complete the calibration process. Error code

Temperature Sensor

Battery Depleted

enough to power the | immediately

to meet your requirements.

roubleshooting and maintenance Code Problem Solution Contact the custome

Error	service staff	degree.
Valve Response Delay	Check the installation and heating valve	Decrease DEVICE_Net temperature.
Excessive Valve Travel	Check the fastening of TRV	Raise the DEVICE_N degree.
Insufficient Valve Travel	Check the heating valve	Increase DEVICE_National line in temperature.
Battery Depleted	Replace batteries immediately	Attention: "SCEN
Valve Detection Failed	Check whether the valve is installed	"DEVICE_NAME" can be customiz
The batteries are of poor quality and not	Replace batteries	units are consist

Voice Control

Turn on SCENE_NAME. Turn on SCENE_NAME. Set the DEVICE_NAME to auto. Set the DEVICE_NAIE to auto.

DEVICE NAME.

DEVICE NAME.

NE NAME" is the scene name and

voice commands:

Amazon Alexa: Alexa, Google Home: OK Google,

What is the target temperature of the

" is the default device name - both stent between the device and smart

What is the temperature of DEVICE_NAME set to.

Drop the DEVICE NAME by 1 Drop the DEVICE NAME by 1

NAME by 1 Increase DEVICE NAME temperature.









The following represents a partial list of available

Set the DEVICE NAME to off. What mode is the

What percentage charge does my DEVICE_NAME have.

Set the DEVICE NAME to 26 Set the DEVICE NAME to 26

Raise the DEVICE NAME by

What is battery on the DEVICE NAME.

ized. Please ensure the temperature