BEOK CONTROLS

Powered by tuya

LED Wi-Fi Smart Thermostat Radiator Valve



Wi Fi

English

works with alexa | works with Google Home | works with Smart Life

Version:1.0 （20240731） 71.04.00541

Supports 4 standard modes and up to 6 programs, for 7 days a week.

• Dear Customer

Thank you for choosing our product. Please read the operating instructions carefully before assembling or using the product in order to avoid damage due to improper use. If you pass this product on to third parties, these operating instructions must also be handed over.

Our products comply with the following regulations:

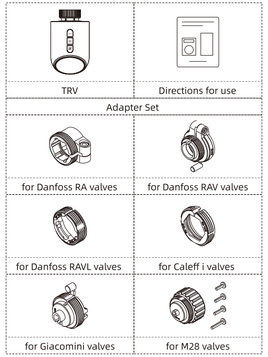
✓CE conformity (RED, LVD, EMC).

✓RoHS conformity.

• Access the online Instructions

Scan the QR code to get product manuals, videos and more information.

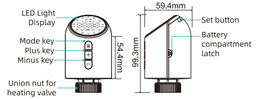
• Standard accessories



• Technical specifications

Power	3 x 1.5V Alkaline AA batteries
Standby current	6μA Min
Operating temperature	0 ~ 50℃, for indoor use only
Storage temperature	-20 ~ 70℃
Wi-Fi	802.11b/g/n (2.4GHz)
Wi-Fi range	200m+ in the open field
Temperature sensor	NTC,B=3380,R25=10KΩ±1%
Protection level	IP20
Surface temperature	90℃ Max (at the radiator)
Connection	M30 x 1.5mm
Linear travel	6mm
Compatibility	Compatible with most radiators available on the market.
Dimensions (WxHxD)	59.7mm x 95.3mm x 59.7mm
Weight	145g

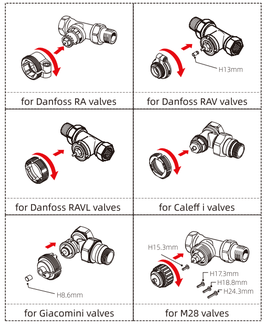
• Device overview



LED Light	Meaning
	Usually the room temperature is displayed when "***SET***" is turned on, the target temperature is displayed.
	1. If there is no connection to the mains, it is turned off. 2. When connecting to the network, it will flash. 3. Once the network connection is successfully established, it will light up.
	Heating
	Programming mode
	Custom mode
	Comfort mode (20℃)
	ECO mode (15℃)
	Anti-Frost mode (5℃)
	OFF mode (OFF)
	Vacation mode
BOOST	Boost mode
	Window opening detection
	Child lock function
	If the battery power is less than 20%, the indicator will flash and it is recommended to replace the battery as soon as possible.

• Installation of the adapters

If the connector type is not **M30 x 1.5** , you need to mount the adapter on the valve.



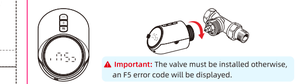
• Installation of the Radiator thermostat

1.Inserting (replacement) batteries



1. Press the battery compartment latch and remove the lid by sliding it down.
2. Insert 3 new LR6 AA batteries into the battery compartment and press it down.
3. Replace the battery cover and lock it in place.

2.Screwing the radiator thermostat together



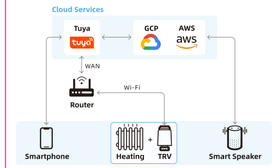
Important: The valve must be installed otherwise, an F5 error code will be displayed.

- The display of the flickering "↑ ᴍɔ" with indicates that the engine is still retracting.
- If "↓ ᴍɔ" is shown in the display, the radiator thermostat can be screwed onto the radiator.
- You can adjust the angle so that the LED display is properly aligned with the viewer.



- Press the Mode key "⛇" and then flickering "ᴘᴀɪ" will be shown in the display, it shows an adapting run to adapt the thermostatt o the valve.

• App remote control and voice control



• Software Installation

1.Download the Smart Life app

Download on the App Store

GET IT ON Google Play

Scan the QR code above or search for "Smart Life" in the App Store and Google Play to download the Smart Life app.

2.Registration or Login

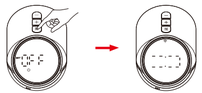


Go to the registration/login interface; tap "Register" to create an account by entering your email address to get a verification code and "Set password". Select "Sign In" if you already have a Smart Life account.

3.Add device

There are 2 ways to access the network settings.

1. In customized mode, press the " – " until the screen display "ᴏFF" and " ⏻ ", Press and hold the Mode key "⛇" for 3 seconds until "⬚⬚" is blinking.



2. When the screen lights up, press and hold the "Set" button for 3 seconds until "⬚⬚" flashes.



Attention: Please turn on your phone's Bluetooth and Wi-Fi in advance. And make sure that the smartphone operating system allows the Smart Life app to access the Bluetooth.

- Open the app's "Home" interface, click on "⊕" in the upper right corner and select "Add Device".
- The system will automatically search and find the device, then click "Add".



- Select 2.4G 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.



• Main function

1.Temperature setting



Press the "+" or "–" to set the temperature per step in 0.5℃.

2.Temperature control mode

Press the Mode key "⛇" shortly to switch between programming mode "◷" and four standard modes.

Four standard modes

☀ Comfort mode (20℃)

This mode ensures ideal indoor temperature. When enabled, the heating system adjusts to the pre-set comfort temperature, constantly maintaining it to keep your home cozy and warm.

☽ ECO mode (15℃)

ECO mode is an energy-saving feature that maintains the temperature slightly below comfort level to prevent excessive heating and energy waste, ensuring basic indoor comfort and significant energy savings.

❄ Anti-frost mode (5℃)

This mode prevents pipe freezing by maintaining a safe temperature of 5℃ when activated, ideal for extended absences or colder climates.

⏻ OFF mode (antifreeze is activated)

- If a room is not to be heated, the valve can be closed.
- To achieve this, press the "–" until "OFF" and "⏻" display and the valve will be closed fully.
- Activates antifreeze to protect the radiator thermostat valve from freezing.
- The valve automatically opens below 5℃ and closes above 7℃.



Attention: If you press the "–" manually or switch to auto mode, ON/OFF mode will be deactivated.

◷ Programming mode

- If the screen says "◷" the device is in programming mode.
- Set temperatures using an app with smart scheduling. Configure up to 6 programs per day for each day of the week, using 4 standard modes.



Press "+" or "–" shortly when the device is in four standard modes, it will enter customized mode.

Custom mode

- When "" is displayed on the screen, the device is in customized mode.
- The temperature is controlled in accordance with the current temperature set via button. It remains activated until the next manual change.

Attention:
Only the custom mode is available until the network configuration of the device is completed.
The device alternates between displaying setpoint and room temperatures. The "***SET***" icon shows the setpoint temperature.

When the device is in Vactation/Boost mode, press and hold the Mode key "⛇" for 3 seconds, you can force the device to exit it and go back to previous mode.

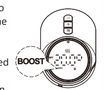
Vacation mode

- 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 previous mode.
- You can choose this mode only in the app. When activated, "" and "❄" is appear on the screen.



BOOST Boost mode

- In vacation or scheduled mode, activate boost mode by setting a duration. The device will switch to boost mode and then return to the previous setting.
- Boost mode is automatically disabled when the device is turned off.
- You can only choose this mode on app. When it is activated, "**BOOST**" is displayed on the screen.



Activate switch-on mode & heating pause



- Press the "+" until "ON" displays and the valve will be opened fully.
- The battery life and service life duration of the values can be changed by switching off heating in summer.

3.Screen display rotation

Tap the " **Set button** " on the device to change the screen orientation.



4.Child lock function



- The operation of the device can be locked to prevent settings from being changed unintentionally.
- To activate/deactivate childlock, press and hold Mode key "⛇" for 3 seconds and "" will be displayed/disappear on the screen.

5.Detection of window opening

- If the room temperature drops over 1.5℃ in 5 minutes while heating, the device activates window detection and stops heating.
- Activate the window function to close the valve for 30 minutes, with status shown on the screen.



Attention: The detection can be cancelled by:

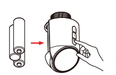
1. Setting the temperature or changing the mode in the app or on the device.
2. The detected temperature rises by more than 1.5℃ within 4.5 minutes.
3. No action, the detection will automatically stop after 30 minutes.

6.Anti-limescale protection

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



7.Restoring factory settings



- Press and hold the Mode key "⛇" and insert the batteries at the same time until "ᴘSᴇ" is displayed on 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 after a power failure.

• Error code

Troubleshooting and maintenance

Code	Problem	Solution
F0	Temperature sensor anomaly	Contact the customer service 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	The battery is empty	Replace batteries immediately
F5	Valve not detected	Check whether the valve is installed
F6	The batteries are of poor quality and not enough to power the motor	Replace batteries immediately
	Low battery	Replace batteries within 1 week