LED Wi-Fi Smart Thermostatic Radiator Valve

Powered by tuya Wi Fi

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

English

WORKS WITH Amazon Alexa · WORKS WITH Google Assistant · WORKS WITH Yandex Alice

Version:1.2(11/2023) 71.04.00373

◆ Personalized scanning code

Scan the corresponding QR code according to your needs to obtain the content

Manual

- Scan the QR code to obtain the electronic manual in multi-language.
- Scannen Sie den QR-Code, um das elektronische Handbuch in mehreren Sprachen zu erhalten.
- Escanee el Código QR para obtener un manual electrónico multilingüe.
- Zeskanuj kod QR, aby uzyskać elektroniczną instrukcję w wielojęzyku.сканирование
- двухмерных кодов для получения многоязычных электронных руководств.

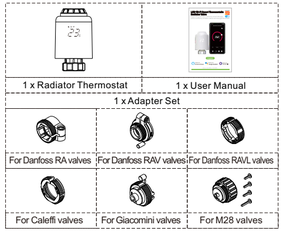
- Scan the QR code to obtain the video of TRV equipment Install.
- Scannen Sie den QR-Code, um das Video der TRV-Ausrüstung installieren zu erhalten.
- Escanee el Código QR para obtener el video de instalación del dispositivo trv.
- Zeskanuj kod QR, aby uzyskać wideo sprzętu TRV Install.
- сканирование двухмерных кодов для получения видео установки TRV.

Install video

Configure network Video

- Scan QR code to obtain TRV Configure network video.
- Scannen Sie QR-Code, um TRV Configure Netzwerkvideo zu erhalten.
- Escanee el Código QR para obtener el video de red de configuración trv.
- Zeskanuj kod QR, aby uzyskać wideo sieciowe TRV Configure.
- сканировать двухмерный код для получения видео настройки TRV.

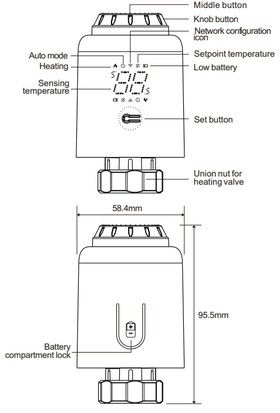
◆ Standard Accessories



◆ Technical specifications

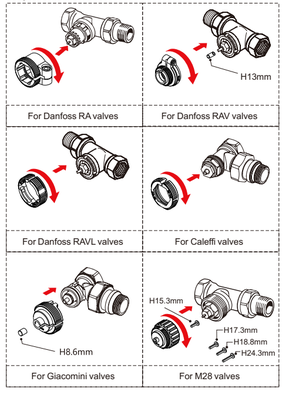
Power Supply:	3 x 1.5 V alkaline AA batteries (not included)
Standby Current:	6μA Min
Protection Degree:	IP20
Ambient Temperature:	0~50℃
Surface Temperature:	90℃ Max (at the radiator)
Connection:	M30 x 1.5mm
Linear Travel:	6mm
Dimensions(W x H x D):	58.4mm x 95.5mm x 58.4mm
Weight:	145 g

◆ Device Overview



◆ Installation of the Adapters

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



◆ Installation of the Radiator Themostat

① Inserting (replacing) batteries

- Press the **battery compartment lock** and remove the cover by pushing it downwards.
- Insert **3 new LR6 AA batteries** in the battery compartment,and make sure they are **the right way round**.
- Reattach the battery compartment cover and **latch it into place**.

②Screwing the radiator themostat

⚠Note: The valve must be installed or an **F5 error code** will be displayed.

- The display of **flickering** " " with shows that the motor is still travelling back.
- When " " is shown in the display ,the radiator thermostat can **be screwed onto the radiator**.
- You can **adjust the angle** to make the LED display facing the viewer properly.

•Press the "**Middle botton**" and then **flickering** "" will be shown in the display , it shows an adapting run to adapt the thermostat to the valve.

◆ APP remote control and voice control

◆ Software Installation

① Download Smart Life App

Available on the App Store

GET IT ON Google play

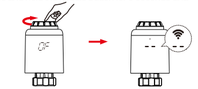
Scan the QR code above or search"Smart Life" on App Store and Google Play to download the Smart Life APP.

② Registration or Log in

Enter the Register/Login interface; tap "Register" to create an account by entering your phone number to get verification code and "Set password". Choose "Log in" if you already have a Smart Life account.

③ Add device

- In manual mode, turn the knob counterclockwise until the screen display " ".
- Press and hold the middle button for 3 seconds until " " is blinking.



- Enter the "Home" interface of the APP, click "+" in the upper right corner, select "**Add Device**".
- The system will automatically search and find the device, and then click "**Add**".

- Select 2.4G Wi-Fi and enter the password, click "**Next**".
- Wait for a while until the device is added successfully, then click "**Done**" to finish the installation.

***Attention:**
- Please turn on the Bluetooth and WiFi of your phone in advance. And ensure that the smartphone OS allows the Smart Life APP to access the Bluetooth function.
- Network configuration can only be done under manual mode.

◆ App Function

① Home interface

② Temperature control mode

- Tap " " to select Temperature control mode.
- You can switch it between Manual mode, Auto mode, ON mode and OFF mode.

③ Heating schedule

- Tap " " to edit heating schedule.
- Click the heating event to modify it.
- Click " **Confirm** " to save the heating schedule.

***Attention:** For each day of the week up to 4 heating events with individual temperature settings can be saved with the radiator.

④ Setting

- Tap " " to edit setting.
- You can modify the setting items as follow.

***Attention:**
- If your open window switch is off, the device will not detect the drop of temperature and stop heating.
- As the temperature is measured on the raditor, the temperature can vary throughout a room.To adjust this, the room sensor calibration of ±10℃can be set.

- Click "**Advanced setting**" to enter advanced setting interface.
- You can modify the setting items as follow.

- **Energy saving mode** (factory setting): Within 0.5℃ (default) deviation, the device will automatically switch on or stop heating to avoid full-time heating. This saves energy while maintaining comfort.
- **Comfort mode:** PID control algorithm. The device automatically adjusts the values to keep the temperature within a tiny range of the setpoint. The valves will not close completely and the temperature will not change significantly.

***Attention:** Comfort mode costs more energy than Energy-saving mode. Please choose the system mode according to your needs.

⑤ Statistics

- Tap " " to enter statistics interface.
- You can check the history record about temperature hourly, daily or monthly and Valve Open Degree.

⑥ Share Device

- Example of the sharing between Phone A and Phone B
- Share the device with other family members, allowing them to control the TRV device remotely.

◆ Main Function

① Temperature setting

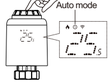
- Turn the **knob** to set the temperature per step in 0.5℃.

② Temperature control mode

- Press the "**Middle button**" shortly to switch between auto mode "" and manual mode.

Auto mode

- When " " is displayed on the screen, the device is in auto mode.
- The temperature is controlled in accordance with the set smart schedule.



Manual mode

- When "" is not displayed on the screen, the device is in manual mode.
- The temperature is controlled in accordance with the current temperature set via knob button. It remains activated until the next manual change.

***Attention:**
- Only Manual mode is available until the Network config of the device is done.
- The device supports alternate display between setpoint temperature and room temperature. When "SET" lights up , the display shows setpoint temperature.

ON mode & Activate heating pause

- Turn the **knob** clockwise until "" displays and the valve will be opened fully.
- Battery life and value life can be prolonged by switching the heating off in summer.

OFF mode & Frost-protection mode

- If a room is not to be heated,the valve can be closed.
- To achieve this,turn the **knob** counter-clockwise until "" displays and the valve will be closed fully.
- At this time, frost protection is activated to prevent the radiator thermostatic valve from freezing.
- The valve opens when the room temperature is below 5℃ and it closes when the room temperature exceeds 7℃.

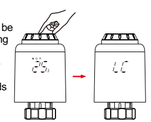
***Attention:** If you turn the **knob** counter-clockwise/clockwise or switch to auto mode, ON/OFF mode will be deactivated.

⑤ Screen display rotation

- Press and hold the **Set button** for 3 seconds to change the screen orientation.

④ Child-lock function

- Operation of the device can be locked to avoid settings being changed unintended.
- To activate/deactivate child-lock, press and hold the "**Middle botton**" for 3 seconds and " " will be displayed /disappear on the screen.



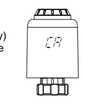
⑤ Window opening detection

- During heating, if the device detects that the room temperature has **dropped by more than 1.5℃ within 5 minutes**, the window opening detection is activated and the device stops heating.
- Once the window function has been activated, the device will keep the valve closed for 30 minutes and the screen will display "".

***Attention:** The window opening detection can be **cancelled** by:
① Set the temperature or change the Mode on the App or the device.
② The detected temperature rises by more than 1.5℃ within 4.5 minutes.
③ No action, it will exit automatically in 30 minutes.

⑥ Anti-calcification protection

- The device will automatically run for a period of time **every DAY1**(Monday) **at 12:00** to prevent calcification of the valve.
- During this time, " " will be displayed on the screen.



⑦ Restoring factory settings

- Press and hold the "**Middle button**" and **insert the batteries** at the same time until " " is displayed on the screen and blinking for 3 seconds.
- The factory settings of the device will be restored and the device will be restarted.

***Attention:** If you restore factory settings, you will lose all your previous settings.

◆ Error code

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

◆ Voice control

After waking up the speaker, you can say:

Amazon Alexa : Alexa,
* Turn on SCENENAME.
* Set the DEVICENAME to auto.
* Set the DEVICENAME to off.
* What is the temperature of DEVICENAME.
* What is the target temperature of the DEVICENAME.

※Auto mode:
* Set the DEVICENAME to 26 degree.
* Drop the DEVICENAME by 1 degree.
* Decrease DEVICENAME temperature.
* Raise the DEVICENAME by 1 degree.
* Increase DEVICENAME temperature.

Google Assistant : OK google,
* Turn on SCENENAME.
* Set the DEVICENAME to auto.
* What mode is the DEVICENAME set to.
* What percentage charge does my DEVICENAME have.

※Auto mode:
* Set the DEVICENAME to 95 degree.
* Drop the DEVICENAME by 1 degree.
* Raise the DEVICENAME by 1 degree.
* Increase DEVICENAME temperature.
* What is battery on the DEVICENAME

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