



Instruction Manual LCD Smart Thermostatic Radiator Valve



English



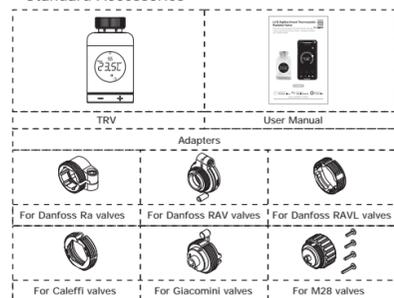
WTRV-PJ-801-DD18

- Bitte scannen Sie den QR-Code, um das deutsche Handbuch, das Installationsvideo und die Funktionseinführung zu erhalten
- Escanee el código QR para obtener el manual en español, el video de instalación y la introducción de la función
- Veuillez scanner le code QR pour obtenir le manuel en français, la vidéo d'installation et l'introduction des fonctions
- Отсканируйте QR-код, чтобы получить руководство на русском языке, видео по установке и описание функций
- Scansionare il codice QR per ottenere il manuale in italiano, il video di installazione e la guida alle funzionalità. Video di installazione e funzionalità
- Leia o código QR para obter o manual em português, o vídeo de instalação e a introdução das funções
- Zeskanuj kod QR, aby uzyskać instrukcje, filmy instalacyjne i funkcje
- من فضلك قم بفتح رمز الاستجابة السريعة (QR-code) للحصول على دليل المستخدم باللغة العربية وقم بتثبيت وصف للواتف



English

Standard Accessories

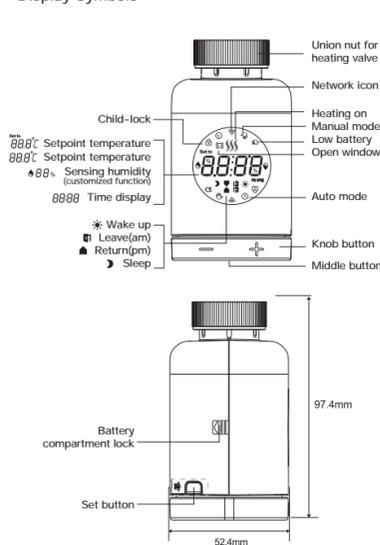


Technical specifications

| | |
|------------------------|--|
| Power Supply: | 3 x 1.5 V alkaline AA batteries (not included) |
| Standby Current: | 6µAmin |
| Protection Degree: | IP20 |
| Operation Temperature: | 0-50°C |
| Surface Temperature: | 90°C Max (at the radiator) |
| Connection: | M30 x 1.5mm |
| Linear Travel: | 6mm |
| Dimensions(W x H x D): | 52.4mmx97.4mmx52.4mm |
| Net Weight: | 150g |
| Frequency Wi-Fi: | 2400-2483.5 MHz |
| RF power: | 12dBm |
| Memory space: | 8KB SRAM;1.5KB data flash;64KB code flash |

English

Display Symbols



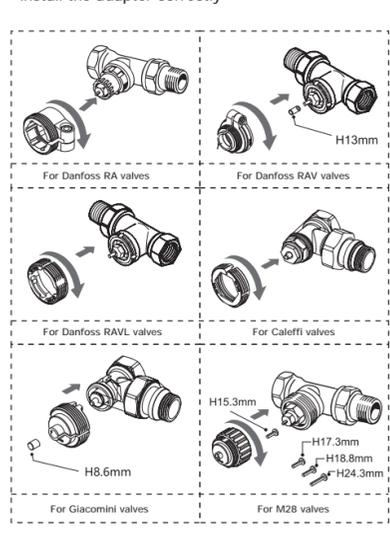
English

Installation

- Press the battery compartment lock, remove the cover and insert the batteries.
 - Initialise, the mandrel retracts, then "175" is displayed on the screen.
 - When "175" stop blinking, install the M30*1.5 threaded TRV connection nut for the heater valve and tighten the nut.
 - Press the "Middle button", "RA RA" will flash and the device will start adjusting the valves. After a few seconds, the setup is complete when the initialisation screen appears.
- *Attention:** While inserting the battery please check that the battery polarity (+/-) is correctly aligned.
- *Note:** The valve must be installed or an F5 error code will be displayed.

English

Install the adapter correctly



English

Temperature control mode

- Temperature control mode
Press the "Middle button" briefly to switch between automatic mode "☉" and manual mode "☼".
- *Attention:** Only Manual mode is available when the device is not connected to internet. The device supports alternate display of set temperature and room temperature. "Set" lights up showing the set temperature.
- Auto mode**
When "☉" is displayed on the screen, the unit is in auto mode. Four time periods and the temperature can be programmed per day, one week as a cycle, as required.
- Manual mode**
When "☼" is displayed on the screen, the appliance is in manual mode. The appliance operates according to the currently set temperature without being controlled by the time programme.
- Temporary mode**
When you set the temperature in Auto mode, the unit enters temporary mode and "☼☉" appears on the screen. The unit is temporarily switched to manual mode without being controlled by the time programme. In the next time period, it returns to auto mode.

English

Heating pause mode

- ON:** In summer, when the heating system stops working, the valve can be fully opened by turning the knob clockwise to "ON" in manual mode. This will extend the life of the valve.
- OFF:** In winter, in manual mode, turn the knob counter clockwise until "OFF" displays, then heating stops and frost protection is activated.
- *Note:** After activating the frost protection function, the valve opens when the room temperature is below 5°C and it closes when the room temperature exceeds 7°C to prevent damage to the radiator thermostatic valve due to freezing.

English

Setting the temperature and rotating the screen

- Set the temperature:** Turn the "Knob button" to set the temperature per step in 0.5°C.
- Rotate the screen:** When the screen lights up, briefly press the "Set button" to change the direction of the screen display.
- Open window function**
During heating, if the device detects that the room temperature has dropped by more than 1.5°C within 4.5 minutes, the open window function is activated and the device automatically stops heating. Once the function has been activated, the device will keep the valve closed for 30 minutes and the screen will display "☼".
- *Caution:** If the "Open window" function is activated, it is overridden by the following operations:
① Temperature setting via the APP or the unit.
② The detected temperature increases by more than 1.5°C with in 4.5 minutes.
③ No operation of the APP or the unit within 30 minutes.

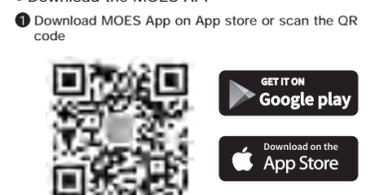
English

Anti-scale and Child lock function

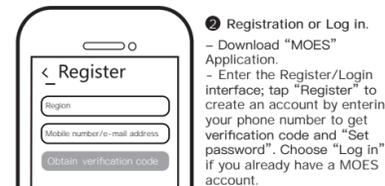
- Anti-scale:** TRV performs a routine descaling every DAY 1 (Monday) at 12:00 to protect the valve from calcification. During the descalcification "CAL" is displayed on the screen.
- Child lock function:** Press and hold the "Middle button" for 3 seconds, then the screen will show "🔒" and the child lock is activated. In lock mode, press and hold the "Middle button" for 3 seconds, the screen "🔒" disappears, the child lock function is deactivated.
- Restoring the factory settings**
Press and hold the "Middle button" while inserting the battery, until "FAC" is displayed on the screen and flashes for 3 seconds. Then the unit will be reset to factory settings and reboot.
- *Caution:** Once the unit has been reset to factory settings, all previous settings cannot be restored.

English

Download the MOES APP



MOES App is upgraded as much more compatibility than Tuya Smart/Smart Life App, functional well for scene controlled by Siri, widget and scene recommendations as the fully new customized service.
(Note: Tuya Smart/Smart Life App still works, but MOES App is highly recommended)



Add device (only WIFI)

- When the screen lights up, press and hold the "Set 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 detect the device and click "Add".
 - Open MOES App, then the prompt page will automatically show on the screen. Click "Add", Select the device you want to add and click "+".
 - After the addition is successful, click "Done", and the WIFI smart thermostat has been added successfully.
- *Attention:** Please turn on the Bluetooth of your phone in advance. And ensure that the smartphone OS allows the MOES APP to access the Bluetooth function.

English

Add device (Only ZIGBEE)

- When the screen lights up, press and hold the "Set button" for 3 seconds until "☉☉☉" is blinking.
 - 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".
 - After the device is named, click "Done", the radiator thermostatic valve is added.
- *Attention:** The gateway must be added before adding TRV. The TRV must be added in the page of gateway.

English

Mode selection

- System mode:** Tap "☉" and enter the Advanced Setting page to change System mode.
- Energy-saving mode (factory setting):** Within the Temp.Dif. range, the device will automatically start or stop heating to avoid full-time heating. Save energy while taking comfort. (0.5 is the Min.Temp.Dif.value)
- Comfort mode:** Using PID control algorithm. The device constantly adjusts the valve to keep the temperature within a small range of the set temperature. The valve will not close and the temperature will not fluctuate greatly. Greatly improve the comfort of use.
- *Attention:** The Comfort mode consumes more energy than the Energy-saving mode. Please select the system mode according to your needs.
- Operating modes:** Tap "☉" to select Operating Modes
- Auto mode:** Four time periods and setting temp. could be programmed per day, one week as a cycle based on customized needs.

English

Manual mode

- 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.
- *Attention:** Click "+" or "-" to adjust the setting temperature.
- Weekly programming**
① Click "🕒" 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.

English

Statistics

- Click "📊" to enter the Temperature Statistics.
- Temperature statistics
- Window check switch
 - Child lock switch
 - Max. limit temperature
 - Min. limit temperature
 - Temp Calib
 - Advanced Setting
 - Time
 - Valve Open Degree
- 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 |

English

Control your home with your voice

- Devices are compatible with Amazon Alexa and Google Home supported functionalities. Please see our step-by-step guide on: <https://www.moestech.com/blogs/news/smart-device-linked-voice-speaker>
- SERVICE**
Thank you for your trust and support to our products, we will provide you with a two-year worry-free after-sales service (freight is not included), please do not alter this warranty service card, to safeguard your legitimate rights and interests. If you need service or have any questions, please consult the distributor or contact us.
Product quality problems occur within 24 months from the date of receipt, please prepare the product and the packaging, applying for after-sales maintenance in the site or store where you purchase; if the product is damaged due to personal reasons, a certain amount of maintenance fee shall be charged for repair.
We have the right to refuse to provide warranty service if:
1. Products with damaged appearance, missing LOGO or beyond the service term
2. Products that are disassembled, injured, privately repaired, modified or have missing parts
3. The circuit is burned or the data cable or power interface is damaged
4. Products damaged by foreign matter intrusion (including but not limited to various forms of fluid, sand, dust, soot, etc.)

English

RECYCLING INFORMATION

All products marked with the symbol for separate collection of waste electrical and electronic equipment (WEEE Directive 2012/19 / EU) must be disposed of separately from unsorted municipal waste. To protect your health and the environment, this equipment must be disposed of at designated collection points for electrical and electronic equipment designated by the government or local authorities. Correct disposal and recycling will help prevent potential negative consequences for the environment and human health. To find out where these collection points are and how they work, contact the installer or your local authority.

Declaration of conformity
Hereby, WENZHOU NOVA NEW ENERGY CO.,LTD declares that the radio equipment type TRV-801 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: <https://www.moestech.com/pages/ztrv-801>

WARRANTY CARD

Product Information
Product Name _____
Product Type _____
Purchase Date _____
Warranty Period _____
Dealer Information
Customer's Name _____
Customer Phone _____
Customer Address _____

English

Maintenance Records

| Failure date | Cause Of Issue | Fault Content | Principal |
|--------------|----------------|---------------|-----------|
| | | | |
| | | | |
| | | | |

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English

UK REP EVATOST CONSULTING LTD
Address: Suite 11, First Floor, Moy Road Business Centre, Taffs Well, Cardiff, Wales, CF15 7QR
Tel: +44-292-1680945
Email: contact@evatmaster.com

EC REP E-CrossStu-GmbH
Mainzer Landstr. 69, 60329 Frankfurt am Main
Email: crossstu@web.de
Tel: +496933296764
Made In China

Manufacturer: WENZHOU NOVA NEW ENERGY CO.,LTD
Address: Power Science and Technology Innovation Center, NO.238, Wei 11 Road, Yueqing Economic Development Zone, Yueqing, Zhejiang, China
Tel: +86-577-57186815
After-sale Service: service@moeshouse.com

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