


<div style="text-align: right;"> </div> <h2 style="text-align: center;">TV02 Zigbee Thermostat Radiator Valve</h2> <div style="display: flex; justify-content: space-around; align-items: center;"> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div>WORKS WITH alexa</div> <div>WORKS WITH Google Assistant</div> </div>	<p>*Bitte scannen Sie den QR-Code, um das deutsche Handbuch, das Installationsvideo und die Funktionseinführung zu erhalten.</p> <p>-Escanee el código QR para obtener el manual en español, el video de instalación y la introducción de la función.</p> <p>-Veuillez scanner le code QR pour obtenir le manuel en français, la vidéo d'installation et l'introduction des fonctions.</p> <p>-Отсканируйте QR-код, чтобы получить руководство на русском языке, видео по установке и описание функций.</p> <p>-Lêia o código QR para obter o manual em português, o vídeo de instalação e a introdução das funções.</p>	<h3 style="text-align: center;">User Guide</h3> <h4>1. Information about this manual</h4> <p>Please read this manual completely and carefully before starting to use the device. The manual contains important information about the intended use of the device. Especially observe the safety notes. Keep the manual for later consultation. If you hand over the device to other persons for use, please hand over the operating manual as well.</p> <h4>2. Product Description</h4> <p>Thermostatic radiator valve (TRV) is a self-regulating valve fitted to hot water heating system radiator, to control the temperature of a room by changing the flow of hot water to the radiator. With the TRV TV02 you can conveniently adjust the room temperature between 5–30 °C, and save more than 15% of energy. The radiator thermostat fits to all common radiator valves and is easy to mount—without having to drain any water or</p>	<p>intervene in the heating system. The additional boost function enables the radiator to be heated up quickly for a brief period of time by opening the valve for 5 minutes. There will be a pleasant room temperature right away because of the radiated heat.</p> <ul style="list-style-type: none"> Zigbee signal Temperature display Manual mode Auto mode Pair (hold press) Comfortable temperature ECO temperature Holiday mode Adjust temperature Switching auto/manual/holiday mode (press) 	<h4>3. Start-up</h4> <h5>3.1 Before we get started</h5> <p>—2 × AA batteries are required for TRV to work, please get prepared. —Temperature is shown in degrees Celsius.</p> <h5>3.2 Inserting(replacing) batteries</h5> <p>—Insert 2 new LR6(mignon/AA) batteries in the battery compartment, making sure they are the right way round.</p>	<p>The service life of new alkaline batteries is approximately 1.5 years. A battery symbol [] on the display indicates that the batteries need to be replaced. After removing the empty batteries, wait approx. 1 minute before inserting the new ones. This device does not support operation with rechargeable batteries.</p> <h4>3.3 Run adaptive</h4> <p>The display of 'In's with the rotating [] shows that the motor is still travelling back. —When 'Ad'a' is shown in the display, the radiator thermostat can be installed on the valve. After installation, press the pair button to run adaptive. —The display of 'Ad'a' with the rotating [] shows that an adapting run to adapt the thermostat to the valve.</p> <p>⚠ If the adapting runs is initiated before installation, press pair button and the motor travels back to the 'InS' position. If an error message[F1,F2,F3] is displayed, press the Pair/Boost button and the motor similarly travels back to the 'InS' position.</p>	<h4>4. Installation of the radiator thermostat</h4> <p>The radiator thermostat is easy to install and can be done without draining heating water or intervening in the heating system. No special tools are required, nor does the heating have to be switched off. The ring nut attached to the radiator thermostat can be used universally and without accessories for all valves with a thread size of M30 x 1.5 from the most popular manufacturers such as: Danfoss Heimeier MNG Junkers Landis&Gyr (Duodyr) Honeywell-Braukmann Overtop Schösser Comp Valf Sanayi Merlik Maxitrol Watts Wingerroth (Wiroflex) Idmair54 R.B.M Tienne Jaga Siemens</p> <p>By means of the adapters in the delivery, the device can be installed on the radiator valves of type Danfoss RA, Danfoss RAV and Danfoss RAWL.</p> <h4>4.1 Unscrew your existing radiator thermostat</h4> <p>No worries, water will not leak during this process.</p>
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Fig. 12. Installation of the valves. 1. M30 x 1.5 valve. 2. M30 x 1.5 valve. 3. M30 x 1.5 valve. 4. M30 x 1.5 valve. 5. M30 x 1.5 valve. 6. M30 x 1.5 valve. 7. M30 x 1.5 valve. 8. M30 x 1.5 valve. 9. M30 x 1.5 valve. 10. M30 x 1.5 valve. 11. M30 x 1.5 valve. 12. M30 x 1.5 valve.

<p>4.8 Caleffi</p> <p>1. Open the valve flow to the maximum, as shown in pic 1; 2. To install the adapter onto the Caleffi valve in the correct direction ;</p>  <p>pic 1</p> <p>Rotate the thermostat dial to the maximum value</p>	<p>4.9 Use the Ejector rod</p> <p>Due to the dimensional and assembly tolerance of the metal valve, it may result in the following situations:</p> <p>1. When the device is failure, F2 is displayed 2. The metal valve cannot be fully closed and is kept heating all the time</p> <p>Handling method : Please use the ejector rod 1.6mm (1)first, if the above two situations still exist, try to use the ejector rod2.6mm(2) instead.</p>  <p>2 2.6mm</p> <p>1 1.6mm</p>	<p>5. Interface display</p> <p>When you see the LCD screen is showing information as below, the radiator thermostat is ready for configuration. If not, please uninstall and re-install the batteries and redo step 4.</p>  <p>To press the reset button to change the digital display direction for your choice.</p>	<p>6. Software Installation</p> <p>6.1 Download App</p>  <p>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.</p> <p>(Note: Tuya Smart/Smart Life APP still works, but MOES APP is highly recommended)</p> <p>Available on the Google play</p> <p>Available on the App Store</p> <p>6.2 Register Or Login</p> 	<p>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 MOES account.</p> <p>6.3 Add Thermostat Radiator Valve</p> <p>---Open MOES APP, use your phone number or email address to register and login. Tap + on the top right, choose Gateway. Control---Wireless Gateway (Zigbee) and simply follow the inbuilt setup wizard for device installation and configuration.</p> <p>---After the Zigbee smart gateway hub is added successfully, you can add the sub-device on the gateway hub interface.</p> <p>---Long press Pair button on the radiator thermostat for 5 seconds until the Zigbee signal icon flashed, which means the device has entered the pairing mode.</p> <p>---The blue LED indicator of gateway hub flashes during pairing mode.</p>	<p>---When the radiator thermostat is successfully added, the blue LED indicator will extinguish within 1 second, the device Zigbee signal is always on.</p> <p>7. Product features</p> <p>7.1 Auto Mode</p> <p>In automatic mode, the temperature is controlled in accordance with the set heating profile. Manual changes are activated until the next point at which the profile changes. Afterwards, the defined heating profile will be activated again. To activate the automatic mode, please proceed as follows:</p> <p>Press the mode button to select (🏠) icon.</p> <p>Default temperature: 17°C and 21°C.</p> <p>Temperature range: 5~30 °C, step: 0.5 °C.</p> <p>App operation: Click the auto mode icon in the App control panel.</p>	<p>7.2 Manual Mode</p> <p>In manual mode, the temperature is controlled in accordance with the current temperature set via knob button. The temperature remains activated until the next manual change. To activate the manual mode, please proceed as follows:</p> <p>Press the mode button to select (🔧) icon.</p> <p>Default temperature: 20°C.</p> <p>Temperature range: 5~30°C, step: 0.5 °C.</p> <p>App operation: Click the manual mode icon in the App control panel.</p> <p>7.3 Holiday Mode</p> <p>When you go out or go to a party, you will use the holiday mode. The holiday mode start automatically start at the set time starting point and run the holiday temperature. When the holiday mode is not activated, and you want to view</p>
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<p>the holiday mode settings, please press the Mode button to view, the holiday mode icon will flash for 5 seconds and then it will automatically return to the auto mode. If you want to end your holiday mode earlier, press the Mode button to cancel.</p> <p>App operation: Click the Mode icon to switch to the holiday mode in the App control panel, and switch to any other mode to cancel the holiday mode.</p>	<p>7.5 Offset Temperature</p> <p>As the temperature is measured on the radiator thermostat, the temperature distribution can vary throughout a room. To adjust this, a temperature offset of ±5 °C can be set. If a nominal temperature of e.g. 20 °C is set but the room presents with only 18 °C, an offset of -2 °C needs to be set. In app settings, the offset temperature is 0 degrees by default. To adjust the offset temperature, please proceed as follows:</p> <p>App operation: Click the offset icon (±) in settings.</p>	<p>time using the button. It will then remain the same until the next point at which the program changes.</p> <p>7.7 Child Lock</p> <p>Operation of the device can be locked to avoid settings being changed unintended(e.g. through involuntary touch). To activate/deactivate the child lock, please proceed as follows:</p> <p>App operation: Click the child lock icon in the App settings screen. The device display "LOC".</p>	<p>7.9 Heating stop (Power Saving) Mode</p> <p>Battery life can be prolonged by switching the heating off. To achieve this, the valve is closed fully. To activate the heating stop, the device display "HS" press the pair button to cancel, please proceed as follows:</p> <p>App operation: Click the Heating stop icon () to turn on/off the function in the App settings screen.</p> <p>Note: Once the function is activated, other functions are not available unless the function is deactivated.</p>	<p>—The boost function is activated . The remaining time for the function will be counted down in seconds/'299' to '000').</p> <p>—After these 5 minutes have elapsed, the actuator changes to the mode which was previously active(auto/manual) with the previously set temperature.</p> <p>—End this function ahead of time, press the pair button to cancel.</p> <p>App operation: Select the mode of APP interface to activate the boost. Click the Boost icon (🔥) in the App control panel to cancel the boost function.</p>	<p>needs. You can set up to ten stages of temperature every day. The factory default is five stages.</p> <p>—Click the weekly programming stage icon (📅) in the App control panel.</p> <p>—Select single days of the week, all weekdays, the weekend or the entire week for your heating profile.</p> <p>—Click time to select the end time of each period, and click temperature to select the required temperature.</p> <p>—Time range: 00:00–24:00, step: 10 minutes.</p> <p>—Temperature range: 5–30 °C, step: 0.5 °C.</p>	<p>8.5 ECO Temperature</p> <p>Click the ECO temperature icon (🌿) in the App settings screen.</p> <p>—Select the desired temperature.</p> <p>—Temperature range: 5–30 °C, step: 0.5 °C.</p> <p>8.6 Offset</p> <p>Click the Offset temperature icon (±) in the App settings screen.</p> <p>—Select the desired temperature.</p> <p>—Temperature range: -5–5 °C, step: 0.1 °C.</p> <p>8.7 Holiday Setting</p> <p>Click the holiday mode icon (🏠) in the App settings screen.</p> <p>—Select the end date and the start date.</p> <p>—Select the desired temperature.</p> <p>—Temperature range: 5–30 °C, step: 0.5 °C.</p> <p>9. Voice Control</p> <p>9.1 Amazon Alexa</p> <p>Alexa Echo is an intelligent personal assistant</p>																																																																																																										
English	20	21	English	22	English	23	English	24	English	25	English	26	English	English	27	English	28	English	29	English	English	30	English	31	English	32	English	English	33	English	34	English	35	English	English	36	English	37	English	38	English	English	39	English	40	English	41	English	English	42	English	43	English	44	English	English	45	English	46	English	47	English	English	48	English	49	English	50	English	English	51	English	52	English	53	English	English	54	English	55	English	56	English	English	57	English	58	English	59	English	English	60	English	61	English	62	English	English	63	English	64	English	65	English	English	66	English	67	English	68	English	English

<p>developed by Amazon, and is capable of voice interaction. Smart radiator thermostat works with Alexa to allow you to regulate the temperature of each room in your system by using a wake-word and an instruction. The wake-word is "Alexa" followed by an instruction such as "increase temperature." Currently, Amazon has made interaction and communication with Alexa only available in English. Alexa requires explicit instructions. You must inform Alexa of the room to which you wish to address followed by an instruction, such as "increase temperature." If no specific room is mentioned, Alexa will ask you which room you want to address, and then will increase the setpoint temperature by 1°C only based on the room reply from you. If you want the setpoint temperature to increase by 4°C in the living room, you must explicitly state to Alexa to "increase the temperature in the living room by 4°C."</p> <p>Note: If Alexa is asked to increase the temperature by 2°C, then Alexa will add 2°C to your set-point. If the ambient temperature is already >2°C above the current set-point then the actual temperature will not change and smart radiator thermostat will not turn the heating ON.</p>	<p>Example: If the current set-point is 16°C, the current room temperature is 19°C and you ask Alexa to increase the temperature by 2°C – the current set-point will change to 18°C but the heating will not start because the room temperature is already higher than 18°C.</p> <p>Common commands for Alexa</p> <p>—Listed below are common commands used with Alexa:</p> <p>—Discover Devices: "Alexa, discover devices."</p> <p>Reduce Temperature: "Alexa, decrease the DEVICE NAME by 4 degrees"/ "Alexa, make it cooler in here."</p> <p>—Increase Temperature: "Alexa, increase the DEVICE NAME by 3 degrees"/ "Alexa, make it warmer in here."</p> <p>—Set Temperature: "Alexa, set the DEVICE NAME to 20 degrees."</p> <p>—Get Temperature: "Alexa, what is the DEVICE NAME temperature?"</p> <p>—Get Set Point: "Alexa, what is the upstairs set to?"</p> <p>Note: Alexa considers the smart thermostat and room names as the devices.</p>	<p>10. Set an automation scenarios linkage</p> <p>If you have a door sensor installed in your home, then you can realize an automation scenarios linkage between TRV and door sensor.</p> <p>Under "Automation" in the "Smart" page, click "+" on the upper right corner, you will see a page called:</p> <p>—Create Smart that will guide you through the setting.</p> <p>—Here, we take When device status changes setting.</p> <p>—After you click When device status changes, you will see all the devices you added to the Tuya Smart app.</p> <p>—Select Smart Door Sensor—Select Function—Smart Door Sensor—ON/OFF—Set up Task—Run the device—>TRV-> Open Window</p> <p>Detection->ON/OFF->Save->Next->Save.</p> <p>—A prompt box "Automation created.Start using it?" will pop up, select "Yes", you can see all the automation scenarios you've created.</p> <p>When the door/window sensor is opened, the Tuya Smart app interface will pop up a message that the door/window sensor is turned on, and an (🔒) icon will appear on the TRV device interface.</p>	<p>When the door/window sensor is closed, the Tuya Smart app interface will pop up a message that the door/window sensor is turned off, and an (🔓) icon will disappear on the TRV device interface.</p> <p>11. Low Battery</p> <p>When the battery power is less than 12%, the low power prompt icon (🔋) will be displayed. Please replace the battery as soon as possible. When the device only displays (🔋) the device is not available.</p> <p>12. Reset</p> <p>Press the reset buttons for 5 seconds, the device will display "FAC". The device run reset.</p> <p>After the device runs reset, the data will not be saved, the device needs to be repaired.</p>		<p>13. Troubleshooting and maintenance</p> <table border="1"> <thead> <tr> <th>Error code on display</th> <th>Problem</th> <th>Solution</th> </tr> </thead> <tbody> <tr> <td>Low Battery</td> <td>Battery output too low</td> <td>Replace batteries</td> </tr> <tr> <td>F1</td> <td>Valve drive sluggish</td> <td>Check installation, check the heating valve</td> </tr> <tr> <td>F2</td> <td>Actuating range too wide</td> <td>Please check the fastening of the radiator thermostat</td> </tr> <tr> <td>F3</td> <td>Adjustment range too small</td> <td>Please check whether the valve pin is stuck</td> </tr> </tbody> </table>	Error code on display	Problem	Solution	Low Battery	Battery output too low	Replace batteries	F1	Valve drive sluggish	Check installation, check the heating valve	F2	Actuating range too wide	Please check the fastening of the radiator thermostat	F3	Adjustment range too small	Please check whether the valve pin is stuck	<p>Working environment: Indoor Safety :CE/ROHS Frequency: 2.4GHz Degree of protection: Ip20 Battery life: 1.5 years</p> <p>15. Package contents</p> <p>1 ZigBee Radiator Thermostat 2 1.5V mignon/LR6/AA batteries (Optional) 1 Adapters for Dantossi(RA,RAV and RAVL) , M28x1.5mm 1 Caleffi, Giacomini, Ejector rod 1 Screw for adapter</p> <p>16. Instructions for disposal</p> <p>Do not dispose of the device with regular domestic waste! Electronic equipment must be disposed of at a local collection points for waste electronic equipment in compliance with the Waste Electrical and Electronic Equipment Directive.</p>
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English	27	28	English	English	29	30	English	31	English	32	English	33	English								

The image displays a multi-page warranty card template for MOES products, organized into five main vertical sections:

- Page 1 (Leftmost):** Contains safety warnings about children's use and battery disposal instructions.
- Service:** Details the warranty period (1 year), conditions for repair or replacement, and procedures for claiming the warranty.
- Recycling Information:** Explains the WEEE Directive and provides instructions for the correct disposal of electrical and electronic equipment.
- Warranty Card:** Includes fields for Product Name, Type, Purchase Date, Dealer Information, and Customer Contact Details. It also features a section for Maintenance Records with columns for Failure date, Cause of Issue, Fault Content, and Principal.
- Rightmost Section:** Provides contact information for two companies: AMZLAB GmbH (Germany) and WENZHOU NOVA NEW ENERGY CO.,LTD (China).

Each page has a small "UK RECYCLED PAPER" logo at the bottom left corner.