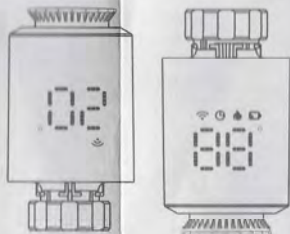


ME167 Wireless Smart Radiator Thermostat



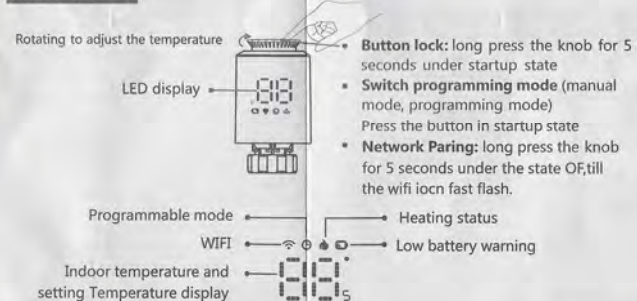
Overview

ME167 Zigbee smart radiator thermostat is based on low power consumption Tuya Zigbee 3.0 module. It has been designed to replace traditional manual valve controller on radiator. Tuya cloud technology enables it with app control, voice control, 4 time period/day weekly programming, child lock, family share etc intelligent function. Attached with the TRV, we have offer valve installation accessories which make it compatible with over 90% of the radiator valve on market.

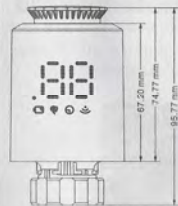
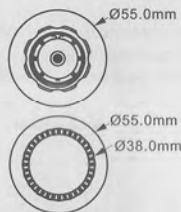
Electrical Specifications

1. Power supply: Two AA 1.5V alkaline batteries (LR6)
2. Temperature sensor: NTC
3. Temperature accuracy: $\pm 1^{\circ}\text{C}$
4. Display range: $0\text{--}60^{\circ}\text{C}$
5. Temperature setting: $5\text{--}35^{\circ}\text{C}$
6. Applicable temperature: $0\text{--}50^{\circ}\text{C}$
7. Communication protocol: Zigbee
8. Frequency: 2.4G

Interface/size



1



Operating instruction

	Switch on and off	Please turn the knob until the screen displays "OF" when you turn off the machine. You only need to turn the knob to adjust the required temperature when you start the machine.
	Windowing function	When the window is opened, causing the room temperature drop more than 6°C within 4 minutes, the main screen displays "OP" and closes the valve. If the room temperature rises 3°C , this status can be released, and it can be released automatically after 48 minutes or manually.
	Anti-scale function	If the heat sink is not fully opened within two weeks or used for a long time, the valve will be blocked due to silting-up, and the heat sink will not be able to be used. To ensure the normal use of the heat sink, the controller will automatically open the valve fully every two weeks. It will running 30 seconds per time, and the screen displays "Ad", and returns to normal working state again.
	Child lock function	In order to prevent the settings of the controller from being mistakenly modified by children, long press the knob to activate the child lock function in the power-on state, and the screen displays "LC". If you need to unlock it, please repeat the activation operation.
	Temporary mode	When TRV in auto mode, if you want to manually change the temperature, turn the button to adjust the current temperature you want to set, this temperature will last till next programmed time period start.
	Anti-freezing	Under OFF state (display "OF"), the mobile APP shows that the anti-freezing function is on. when room temperature lower than 5 degrees Celsius, the valve open, when temperature rises to 8 degrees Celsius, the valve close.
	Warning	In normal working status, If NTC is damaged and "Er" will be displayed.
	Low voltage warning function	when the battery voltage is too low, the alarm symbol "E" will be displayed to remind the user to replace the battery.

2

Controller Installation

Electricity way

- 1 Press the button to remove the protective cover

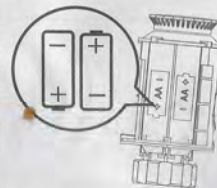


- 2 Install 2*AA battery and protection cover



AA battery*2

Attention



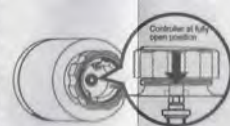
* Please install the battery according to +/- pole of the icon in the battery compartment.

Installation steps

- 1 Put the battery in the battery compartment and cover it with a protective cover.



- 2 When the push rod is drawn flush with the bottom.



- 3 Press the rotation button, the screen will display [LR] the controller starts to match the valve stroke, and the initial setting will be entered after the match.

- 4 Screen display [LR]



- 5 Place the controller on the valve of the M30*1.5mm threaded connection and tighten the copper ring.



If your valve interface does not match the controller, install the accessory first.



30sec.

3

Parts selection and installation

1. Check the valve size on your valve body.

Danfoss	CALEFFI	GIACOMINI
1/2 valve (RA)	1/2 valve	1/2 valve + Espulsore corto

2. Accessories installation

<p>Danfoss 1/2 valve(RA)</p> <p>Please fix the valve interface directly and then tighten the screw.</p>	<p>CALEFFI 1/2 valve</p> <p>Please place the fittings directly on the valve and press hard to make the fittings and the valve jam.</p>
<p>GIACOMINI</p> <p>Giacomini 1/2 needs to install the short ejector rod accessory to the bottom of the controller, please put the accessories directly on the valve and press hard to make the accessories and valve stunk, and then screw into ME167 driver.</p>	<p>1/2 valve</p>

1) TRV network pairing:

Rotate the knob to adjust the temperature to the *OF* state, press and hold the knob for 5 seconds to enter the network configuration mode, WIFI ** icon start fast flashing, Then connect it with zigbee gateway as the following instruction in 3)

2) Gateway distribution network:

Green light one and red light fast flashing and it has entered the state of network distribution.(refer to operating instructions of the gateway for the network configuration status of the gateway)

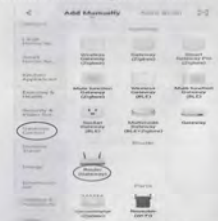
3) APP Connection Instruction:

Before configuring WIFI , please make sure your phone is connected to 2.4GHZ WIFI.

1. Use your mobile phone to scan the QR code below to download the " Tuya Smart " app.
2. Open the "Tuya Smart" app and click "Add Device "as shown below.



3. After clicking "Gateway Control", select and click "Router (Gateway)" as shown in the figure below.



5. After searching for the gateway, click "📶" as shown in the figure below.



4. Click "Confirm the indicator is on" and then click "Next" as shown in the figure below.



6. The mobile phone enters the device search and connection mode as shown in the figure below.



7. The mobile device is successfully connected to the gateway, click "Done" as shown in the figure below.



10. After searching for the device, click "DONE" as shown in the figure below.

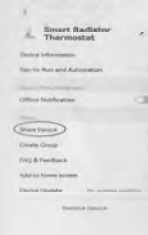


4) Device sharing instructions:

1. Click "👤" as shown below.



2. Click " Share Device" as shown below.



3. Click " Add Sharing" as shown below.



8. Click "Add sub-device" as shown in the figure below.



11. Click the added device as shown in the figure below.



9. Click "LED already blink" as shown in the figure below.



12. Enter the main interface as shown in the figure below.

