Zigbee Smart Thermostatic Radiator Vavle

zigbee

Model: MIGT05.19



English

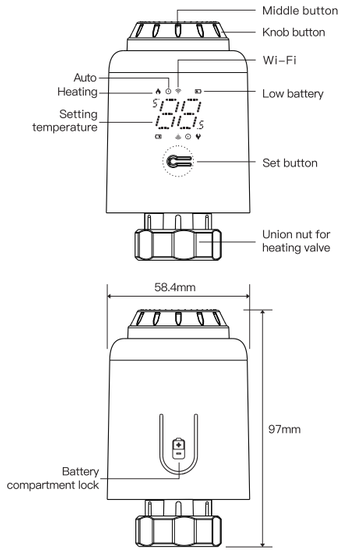
Version:1.0

◆ Standard Accessories



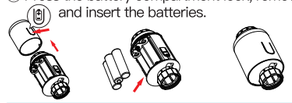
TRV	Manual
Adapters	
For Danfoss RA valves	For Danfoss RAV valves
For Danfoss RA valves	For Danfoss RAV valves
For Giacomini valves	For M28 valves

◆ Display Symbols



◆ Installation

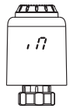
① Press the battery compartment lock, remove the cover, and insert the batteries.



***Attention:**
While inserting the batteries, please make sure the polarity of battery (+/−) is aligned.



② Initialize, the mandrel pulls back, then "i1" is displayed and blinking on the screen.

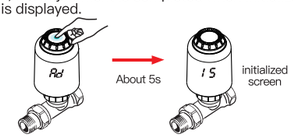


③ When "i1" stop blinking, install the TRV union nut with M30*1.5 thread for heating valve, and then tighten the nut.

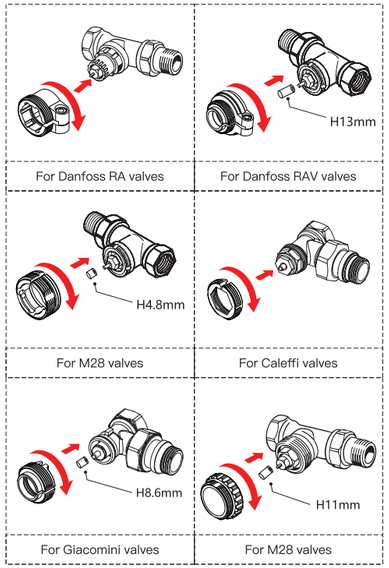


⚠ Note: The valve must be installed, otherwise the **F5 error code** will be prompted.

④ Press the middle button,"Ad" start blinking, and the device enter valve-adjusting process. After several seconds, the adjustment is completed when initialized screen is displayed.



◆ How to install the adapter correctly



For Danfoss RA valves	For Danfoss RAV valves
For M28 valves	For Caleffi valves
For Giacomini valves	For M28 valves

◆ Temperature control mode

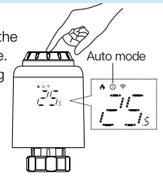
Temperature control mode

Press the middle button to switch between Auto mode and Manual mode.

*** Attention:** Only Manual mode is available when the device is not connected to Internet.

- **Auto mode**

When " " is displayed on the screen, it is under Auto mode. Four time periods and setting temperature could be programmed per day, one week as a cycle, based on customized needs.



- **Manual mode**

When " " is not displayed on the screen, it is under Manual mode. The device will work according to current setting temperature, without controlled by the time period program.

- **Temporary mode**

Under Auto mode, " " will be blinking after setting temperature, and then it will enter Temporary mode. The device is switched to Manual mode temporarily, without controlled by the time period program. It will return to Auto mode by next time period.

◆ Stop heating and pause heating

- **ON:** In summer, rotate the knob clockwise until "ON" is displayed under manual mode to stop heating. At this time, the heating valve is fully open. This can extend the use life of valve.



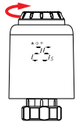
- **OFF:** In winter, rotate the knob counterclockwise until "OF" is displayed under manual mode to pause heating temporarily. At this time, the heating valve is closed and the frost protection is activated.



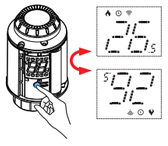
***Attention:** After the antifreeze function is activated, the valve will open when the room temperature is lower than 5℃, and the valve will be closed when the room temperature exceeds 7℃ to prevent damage to the radiator thermostatic valve due to freezing.

◆ Adjust setting temperature and Screen rotation

- **Adjust setting temperature:** Rotate the knob to adjust setting temperature, stepping by 0.5℃.



- **Screen rotation:** Long press the set button for 3 seconds to switch the screen display direction.



◆ Open-window function

- **Open-window function:** First, enter the APP home page to turn on the window detection function, the device will automatically identify whether the window is open. When it is detected that there is cold wind, and the temperature drops by more than 1.5℃ within 4.5 min, the open-window function will be activated. At this time, the screen displays "OP", and the temperature is set to 12℃.



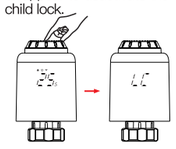
***Attention:** Attention: While the open-window function is activated, following operations will terminate it from taking effect.
① Temperature setting operation on the APP or device.
② The detected temperature rises by more than 1.5℃ within 4.5 minutes.
③ No operation on the APP or device within 30 minutes.

◆ Anti-scale and Child lock function

- **Anti-scale:** TRV executes routine decalcification every Monday at 12:00 to protect the valve from calcification. "CA" will be displayed on the screen during decalcification.

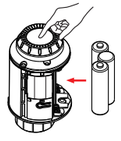


- **Child lock function:** Long press the middle button for 3 seconds until "LC" is displayed on the screen to activate the child lock. While the device is locked, long press middle button for 3 seconds until "LC" disappear to deactivate the child lock.



◆ Restore factory settings:

- **Restore factory settings:** Long press the middle button and insert the battery at the same time until "FA" is displayed on the screen and blinking for 3 seconds, the device will be restored to factory settings and restarted.



***Attention:** Once the device is restored to factory settings, all previous settings can not be recovered.

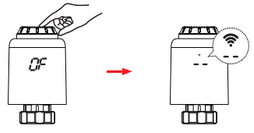
◆ Add gateway

After the gateway is powered on, press the button for three times to enable network access.



◆ Add device

① Under manual mode, rotate the knob counterclockwise until "OF" is displayed. Then long press the middle button for 3 seconds until " " is blinking.



◆ 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

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