

Manual: electric heating element with control unit

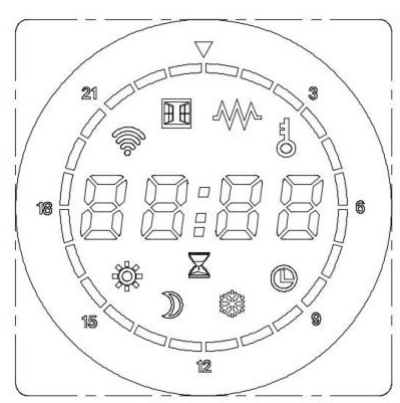
THRW600 - THRW900 - THRB600 - THRB900

LCD Display Description

1. Basic description

- 1.1. Power supply specification: AC230V / 50Hz
- 1.2. Working temperature range: 0~55°C
- 1.3. Temperature setting range: 7~30°C
- 1.4. Time mode: 24-hour system
- 1.5. Weekly mode: numbers display 1~7
- 1.6. Timing mode: multiple segment setting, increase or reduce on a 1-hour basis
- 1.7. System modes: comfort mode, economy mode, antifreeze mode, weekly timing mode, boost mode

2. Panel display figure



3. Icon display description

- 3.1.  Comfort mode: The temperature can be set separately, with an adjustable range of 7°C to 30°C.
- 3.2.  Economy mode: The temperature can be set separately, fixed at 7~30°C, but the max. temperature shall not exceed the comfort temperature.
- 3.3.  Antifreeze mode: The temperature is fixed at 7°C.
- 3.4.  Timing mode with weekly timing function.
- 3.5.  Boost mode with forcing timed heating function, and heating time can be freely adjusted.
- 3.6.  WiFi icon

3.7.  Time and temperature display.

3.8.  Open window detection.

3.9.  Indicate the heating state.

3.10.  Child lock function: unable to operate any keys (except on/off switch).

3.11.  Timeline: time adjustment with adjustment range of 0~23H.

3.12.  Key description: on/off switch key, function key, up key, down key.

4. Mode operation description:

4.1.  ON/OFF: Short press from the shutdown state to the power-on state, (in the shutdown state, short press any other button, the appliance will not respond), shutdown display time, as shown in the figure.



4.2.  Comfort mode: The default temperature of comfort mode is 19°C, short press  up or  down arrow to adjust the temperature range of 7~30°C. Each short press stands for 0.5°C. Long press  or  for 1s can accelerate the increase or reduction, as shown in the figure.



Short press  in comfort mode will switch to economy mode.

4.3.  Economy mode: The default temperature in this mode is 15.5°C. Short press  or  can enter the economy temperature setting with adjustable temperature range of 7~30°C. Each short press stands for

0.5°C. The max. temperature shall not exceed the comfort temperature. Long press  or  for 1s can accelerate the increase or reduction, as shown in the figure.



In economy mode, a short press  will switch to antifreeze mode;

4.4.  Antifreeze mode: The temperature is fixed at 7 °C , as shown in the figure.



In antifreeze mode, short press  will switch to weekly timing mode.

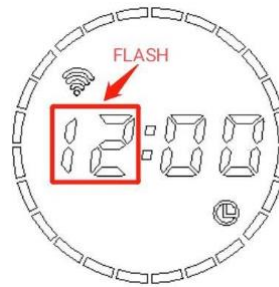
4.5.  Weekly timing mode: This mode can be set for time, week and weekly procedure. When use of the device for the first time (or after power off and restart), please set the time and week first, as shown in the



figure.

4.5.1. Time setting: long press  for 3s to enter the time setting. Firstly, set the hour by short pressing  or  with adjustment range of 0~23H. Each short press stands for 1H. Long

press  or  1S can accelerate the increase or reduction, as shown in the figure. (No operation in 30S



will exit the Hour setting and enter the Minute setting.)

4.5.2. After the hour setting, short press . Then the minute position "00" will flash (flash every 0.5S).

Short press  or  to adjust the minute with adjustment range of 0~59min. Each short press stands for 1min. Long press  or  for 1s can accelerate the increase or reduction, as shown in the

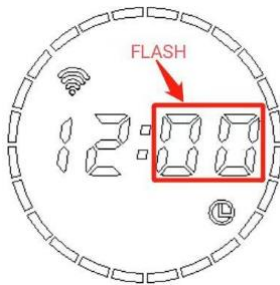
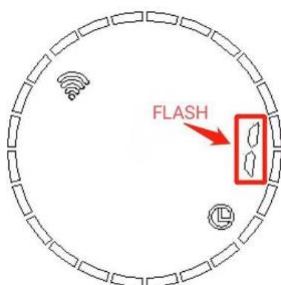


figure.

4.5.3. After time setting, short press  to enter week setting. (No operation in 30S will exit Minute setting and enter Week setting.)

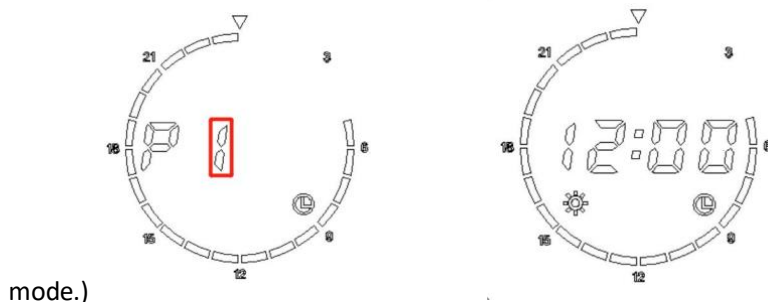
4.5.4. Week setting: After entering the week setting, the last number will be flashing (flash every 0.5s).

Short press  or  to adjust the week with adjustment range of 1~7 day. Each short press stands for 1 day. Long press  or  for 1s can accelerate the increase or reduction, as shown in the figure. 1=Monday, 2=Tuesday, 3=Wednesday, 4=Thursday, 5=Friday 6=Saturday, 7=Sunday.



After setting the week, short press  to enter the weekly program setting. (No operation in 30s will exit Week setting and enter Weekly program setting.)

4.5.5. Weekly program setting: Short press  to view the setting of other days of the week. The timeline display () indicates that the current time is running comfort mode, and the timeline display () indicates that the current time is running economy mode. The figure below on the right shows the default Monday to Sunday settings: Monday to Sunday: comfort mode during 5:00-23:59. (Other time economy

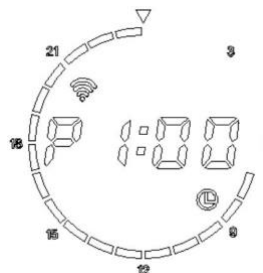


Short press  after setting up the Monday program to enter Tuesday program setting, and finally the last day Sunday.

Short press  after completing the weekly program setting to enter running state. (No operation in 30s will exit weekly program and enter running state.)

4.5.6. Weekly program modification: Under weekly program interface, press  for 3 seconds to enter the current weekly program modification. Short press  or  for weekly program adjustment. Short press  means to run the comfort mode for this time period. The logo  will be light on for 3s first and light off for 1s. Short press  means to run economy mode for this time period. The logo  will be light off for 3s first and light on for 1s. Each short press stands for 1H, the corresponding time period flashes and increases to 23H. For example, if you want modify Monday program from 07:00 to 23:00 to comfort mode (other time economy mode), just press  for 3 seconds when display Monday program, press  from

07:00 to 23:00 and press  for other times, as shown in Fig.



After the modification, press  to exit setting. (No operation in 30s will exit the current weekly program modification.)

4.5.7. Running status: In running state, the display will be as what you set previously. When the current time is in comfortable mode, the light  will be on for three seconds and off for one second. In economic mode, the light  will go off for three seconds and on for one second. If the product is heated, the heating icon lights up. For example: the current time is 05:08, then the screen will show: The icon indicated by the red arrow is on. The time period indicated by the green arrow is on for 3 seconds and off for 1 second.



In weekly timing mode, short press  will switch to boost mode.

4.6. Boost mode: This mode can provide continuous heating from 0.5 hour to 8 hours (default heating is 2 hours). Short press  or  to adjust the heating time. Each short press stands for 0.5 hour. Long press  or  can accelerate the increase or reduction, then the appliance starts counting down to continuous heating, as shown in the figure. After the timed heating time is over, the appliance returns to standby state.



- 4.7.** Child lock: Press  and  for 3s at the same time will enter the child lock. No operation allowed under child lock mode (except on/off switch). Press  and  for 3s at the same time again will unlock



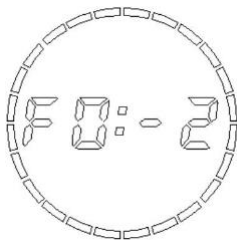
the child lock mode.

5. Internal parameter setting

In the OFF state, press  for 10s to enter the internal parameter setting and short press  to switch setting. The setting includes temperature compensation→open window detection→ WiFi switch→exit setting.

- 5.1.** Temperature compensation setting (F0): temperature compensation default is -2 °C . Short

press  or  can adjust the compensated temperature with range from 5°C to -5°C. Each short press



stands for 1°C.

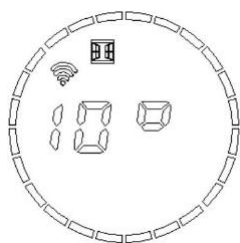
- 5.2.** Open window detection setting (F1): short press  or  to set the window opening time with three time options: "0", "60", "90"; if the user set the time to 60, the screen will show as the



figure.

5.2.1. Open window detection description: In heating state, when the ambient temperature suddenly drops by 5°C within 5 minutes, the equipment enters open window mode, showing as below figure. The device enters the fixed temperature of 10°C, and after the heating stops for 60 minutes, enter the normal

mode. If the temperature drops again by 5°C within 5 minutes, then enter the fixed temperature of 10°C mode and stop heating for 60 minutes in this cycle. Setting "0" means that the function is not on.



5.3. WiFi switch (F2): Short press  or  for WiFi setting, "on" means turn on WiFi, "of" means turn



off WiFi (default setting is on), show as the figure.

6. Read ambient temperature

In off state, press  for three seconds can read the ambient temperature, show as the



figure.

7. Restore the factory setting

Under power on state, the system will automatically start and restore the factory setting after pressing  for 10s. The full screen will light on for 3s and enter the shutdown state. Press  to restart. The default set in factory setting-comfort mode temperature 19°C; economy mode temperature 15°C. ; time display "12:00", week display "1"; temperature compensation "-2"; open window time "0"; WiFi switch "On"; weekly program restores to default set.

Error code description

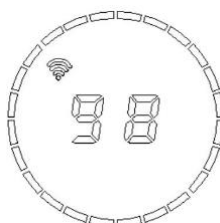
Description	Message
Temperature sensor open circuit	show Er
Temperature sensor short-circuit	show Er

8. App Connection

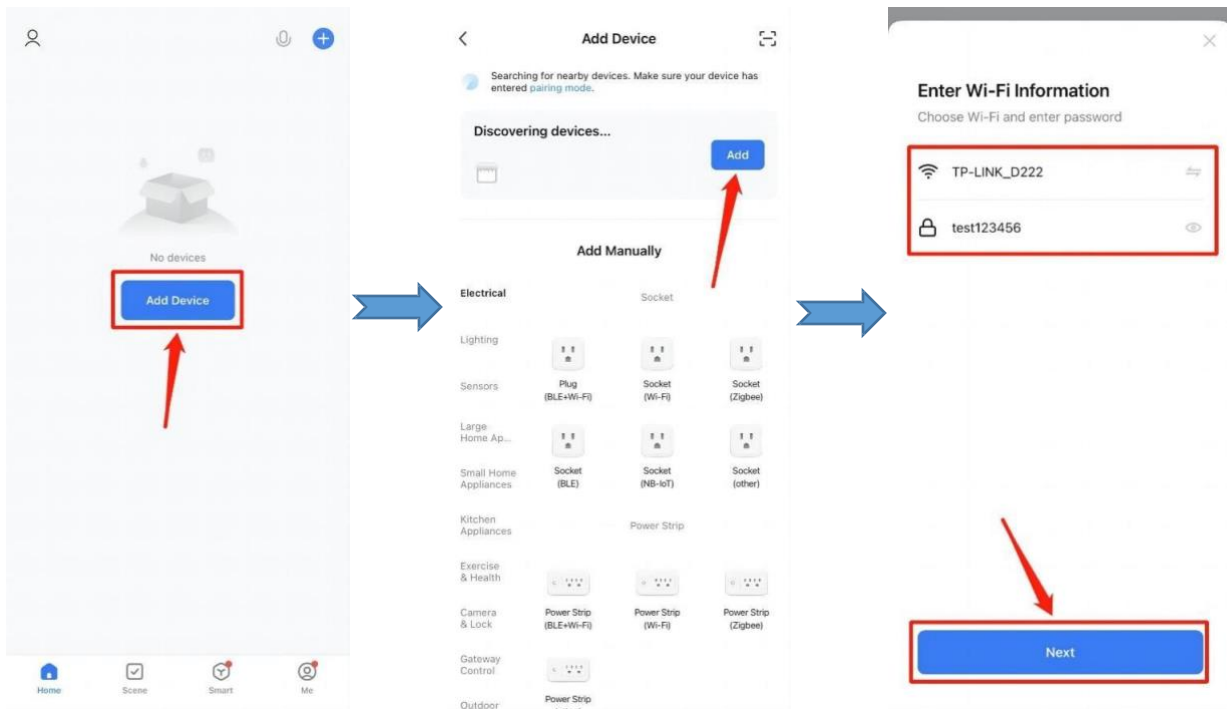
- 8.1.** Download and install the "Smart life" APP on a mobile App Mall (Android) or App Store (IOS) or scan the QR code below to download and install it, and create an account according to the instructions in the app.



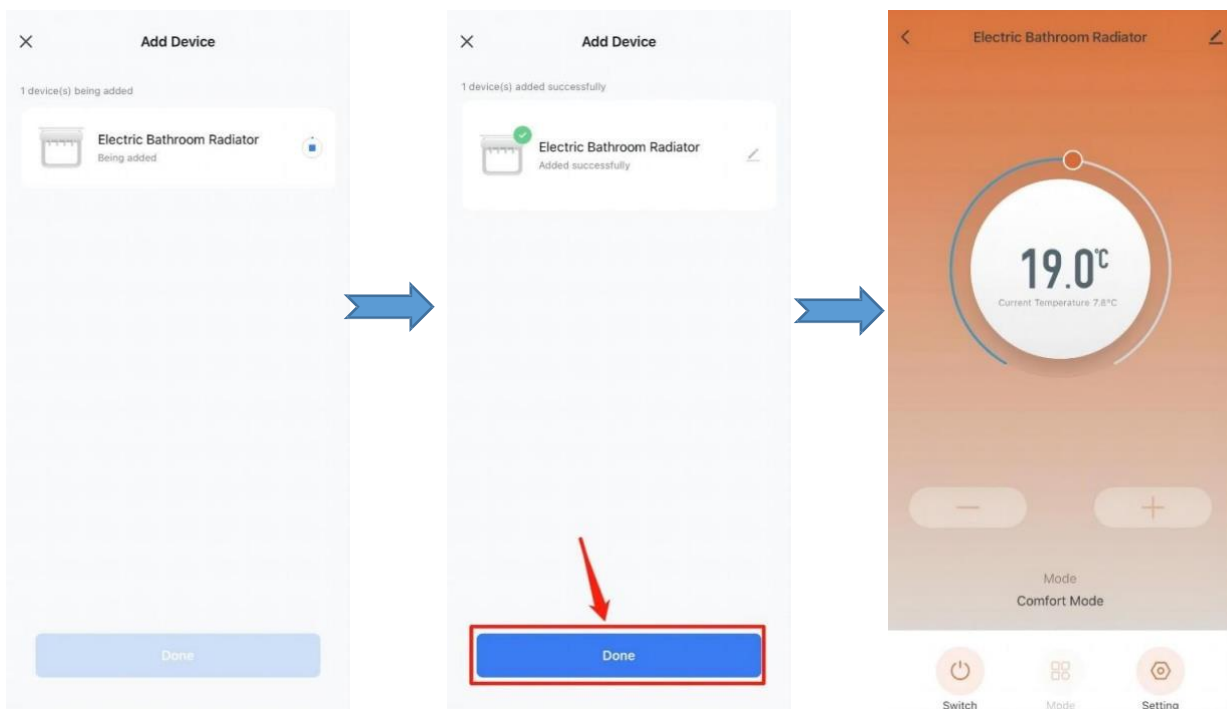
- 8.2.** In the off state, press  for 3 seconds to enter the connecting state. The device countdown starts for 100 seconds. Meanwhile, add the device according to the app prompts.

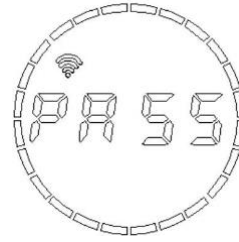


- 8.3.** Open the APP (connect the phone to WiFi and turn on Bluetooth). Click Add Device to automatically discover the device and click Add and then enter the WiFi password of the current phone connection, click Next as shown below.

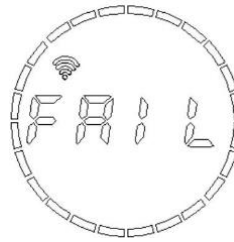


8.4. The device will be added successfully and then enter the app control page to operate as shown below.





8.5. Screen shows PASS if connection is successfully, as shown in Fig.



8.6. Screen shows FAIL if connection is failed, as shown in Fig.