User Manual

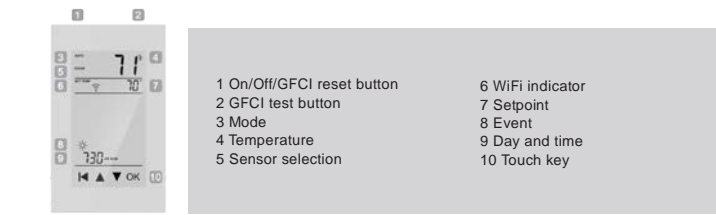ET-72GW、ET-7AW、ET-92GW   English   V1.2

Instruction

The ET-72GW series thermostats control the floor heating system based on built-in weekly program. The weekly program runs in 4 or 2 stages per day, 7 days a week. The default weekly program parameters can satisfy most usage scenarios. If your living habits are different, you can also modify the weekly program parameters in the thermostat or APP. When there is no one in the house, it is recommended to set the temperature down to save energy. Besides, the thermostat has built-in adaptive function. When this function acts, the thermostat heats or stops heating in advance of next stage to bring the room temperature to the set temperature of the next stage. Please note that after turning adaptive on, the thermostat takes a few days to learn the time required.

Symbols

1 On/Off/GFCI reset button	6 WiFi indicator
2 GFCI test button	7 Setpoint
3 Mode	8 Event
4 Temperature	9 Day and time
5 Sensor selection	10 Touch key

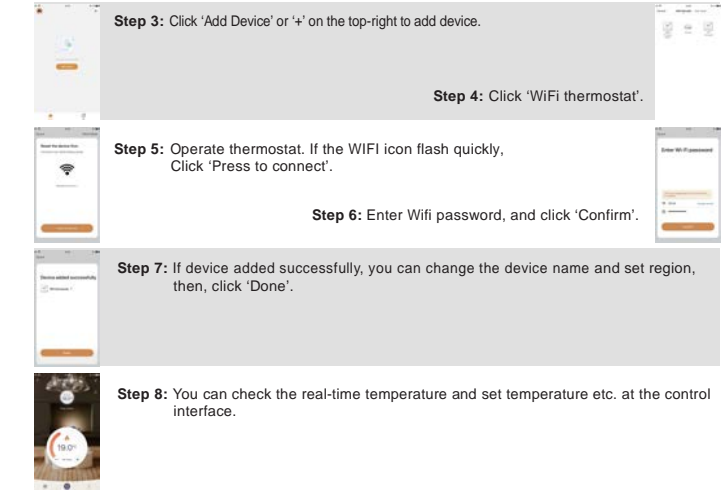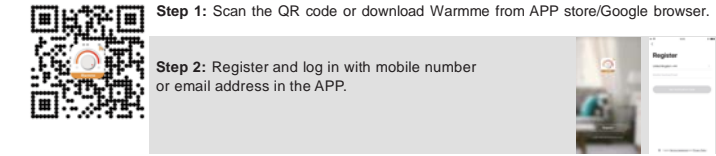## Ground Fault Circuit Interrupter (GFCI)

This thermostat has a built-in GFCI function that protects people from electric shock. It is very important to check whether the GFCI function is normal or not every month. Here are the check steps:
1. Confirm that the thermostat is turned on.
2. Press the [Test Monthly] button. If a red light appears in the upper left corner of the thermostat and GROUND FAULT appears on the screen, the GFCI function is normal. If there is no response, it means the function is invalid, please contact the dealer or electrical installer.
Note: Do not press and hold the [Test Monthly] button.
3. Press the [Reset] button. The red light is off and the screen shows the power off state.
4. Press the [Reset] button again. The thermostat is turned on.
If in daily use, the red light is on and the screen appears GROUND FAULT. Then you need to check if the ground fault is present by pressing the [Reset] button. If the red light is off and the screen shows the shutdown status, it is nuisance tripping. If not, it means that ground fault has occurred. Please contact your dealer or professional technician immediately.

WiFi connection(Only for ET-72GW、ET-7AW、ET-92GW)

Step 1: Scan the QR code or download Warmme from APP store/Google browser.

Step 2: Register and log in with mobile number or email address in the APP.

Step 3: Click 'Add Device' or '+' on the top-right to add device.

Step 4: Click 'WiFi thermostat'.

Step 5: Operate thermostat. If the WIFI icon flash quickly, Click 'Press to connect'.

Step 6: Enter Wifi password, and click 'Confirm'.

Step 7: If device added successfully, you can change the device name and set region, then, click 'Done'.

Step 8: You can check the real-time temperature and set temperature etc. at the control interface.

Functions and operation

On/Off
The GFCI Reset button is also the switch button. Press the [Reset] button to switch on and off.

Temporary Override Temperature
This function is enabled in the automatic intelligent mode, when the temperature demand changes at this moment, the setting temperature is enabled, but the parameters in the Event are not changed.
Operation method:
Under the interface showing the real-time temperature, tap ▲ or ▼ to modify the set temperature.
Tap OK to confirm and return to the interface showing the real-time temperature.

Mode selection
This thermostat provides three operating modes:
Automatic mode: According to the weekly program, the thermostat automatically adjusts the set temperature operation.
Manual mode: The thermostat runs continuously according to the set temperature.
Frost protection mode: The temperature controller runs at a lower set temperature. The temperature range is set from 41°F to 59°F in this mode. This mode is used when you want to keep your room at a lower temperature when you are on vacation.

How to set the mode selection:
In the interface displaying the real-time temperature, tap OK to enter the first level menu, and Mode is flashing.
Tap OK to enter the mode selection.
Tap ▲ or ▼ to change the mode.
Tap OK to confirm your selection.
If you select manual mode or freeze protection mode, you also need to tap ▲ or ▼ to set the temperature.
Tap OK to return to the interface showing the real-time temperature.

Key lock
The thermostat provides a key lock function to prevent the thermostat setting parameters from being incorrectly modified.

Set the key lock mode:
1. Under real-time temperature interface, press and hold ◄ until the lock symbol appears.
2. Under real-time temperature interface, tap OK to enter the first level menu, and Mode is flashing.
Tap ▲ or ▼ to select Key Lock.
Tap OK to enter the key lock setting.
Tap OK to confirm.
Tap OK to return to the interface showing the real-time temperature.
Cancel the key lock mode:
Under real-time temperature interface, press and hold ◄ until the lock mark on the screen disappears.

Weekly program parameter setting
In the automatic mode, the thermostat runs automatically according to the setting parameters of the weekly program. The weekly program parameters contain two parameters: Schedule and Event.

1. Schedule
Assign seven days a week to the following two schedules:
5+1+1: The Event parameter is the same from Monday to Friday, with separate Event parameters on Saturday and Sunday.
7: With separate Event parameters every day.
Schedule parameter setting method:
Under real-time temperature interface, tap OK to enter the first level menu, and Mode is flashing.
Tap ▲ or ▼ to select Schedule.
Tap OK to enter the parameter settings.
Tap ▲ or ▼ to select a parameter.
Tap OK to confirm.
Tap OK to return to the real-time temperature interface.

2. Event
In the Home scenario, the day is divided into four events: Wake--☼ Leave--⇧ Return--⇧ Sleep--☾.
(In the Office scene, the day is divided into two phases: on work--☼ off work--☾). The set temperature for each stage can be set separately.

Event parameter setting method:
Under real-time temperature interface, tap OK to enter the first level menu, and Mode is flashing.
Tap ▲ or ▼ to select Event.
Tap OK to enter the week selection.
Tap ▲ or ▼ to select the day you want to modify the parameters.
Tap OK to enter the stage selection for the day.
Tap ▲ or ▼ to select the stage that you want to modify the parameters.
Tap OK to enter the temperature setting of the current phase.
Tap ▲ or ▼ to select the temperature value you want to set.
Tap OK to enter the hour setting for the start time of the current phase.
Tap ▲ or ▼ to select the hour of the start time.
Tap OK to enter the minute setting for the start time of the current phase.
Tap ▲ or ▼ to select the minute of the start time.
Tap OK to return to the stage selection for the day.
◄

Event default parameter list

Home								
Week	Wake ☼		Leave ⇧		Return ⇧		Sleep ☾	
	Start time	Tempera-ture	Start time	Tempera-ture	Start time	Tempera-ture	Start time	Tempera-ture
Mon--Fri	6:00	78°F	8:00	69°F	17:00	78°F	22:00	69°F
Sat--Sun	8:00	78°F	8:30	79°F	17:30	78°F	22:00	69°F
Office								
Week	on-work ☼		off-work ☾					
	Start time	Tempera-ture	Start time	Tempera-ture				
Mon--Fri	7:00	78°F	18:00	69°F				
Sat--Sun	7:00	68°F	18:00	69°F				

Settings

In addition to the above common functions, the thermostat also provides a number of settings for more occasions. It should be noted that such settings need to be set by professional technicians to avoid damage caused by abnormal settings.
Settings access method:
Under real-time temperature interface, tap OK to enter the first level menu, and Mode is flashing.
Tap ▲ or ▼ to select Settings.
Tap OK to enter Settings.
Settings contains the following items:

1.Time
Set the current real time and day of the week.
Time setting method:
After entering Settings, tap ▲ or ▼ to select Time.
Tap OK to enter the hour setting for the time.
Tap ▲ or ▼ to select the hour value for the current time.
Tap OK to enter the minute setting for the time.
Tap ▲ or ▼ to select the minute value for the current time.
Tap OK to enter the day of the week setting.
Tap ▲ or ▼ to select the day of the week.
Tap OK to enter the hour setting for the time.
Tap ◄ multi times to return to the real-time temperature interface.

2. Temp unit
°F or °C can be selected as the temperature unit.
Temp Unit setting method:
After entering Settings, tap ▲ or ▼ to select °F/°C.
Tap OK to enter the selection.
Tap ▲ or ▼ to select the desired temperature unit.
Tap OK to confirm.
Tap OK to return to the real-time temperature interface.

3.Sensor type
This thermostat can be connected not only to the floor sensor but also to two other commonly used floor sensors. When replacing the old thermostat, there is no need to replace the floor sensor for easy installation.
Sensor Type setting method:
After entering Settings, tap ▲ or ▼ to select Sensor Type.
Tap OK to enter the selection.
Tap ▲ or ▼ to select the type of floor sensor you are currently using.
Tap OK to confirm.
Tap OK to return to the real-time temperature interface.

No.	Sensor Type	Parameters
00	3950(default)	
01	3600	R(25°C)=12kΩ R(10°C)=22.2kΩ
02	3700	R(25°C)=10kΩ R(10°C)=19.1kΩ

4.Sensor selection
In addition to the floor sensor, this thermostat has built-in sensors to detect room temperature. Therefore, three sensor applications are available:
Room: Controls room temperature based solely on built-in sensors.
Floor: Controls the floor temperature based solely on the floor sensor.
Room.Limit: Controls the room temperature based on the built-in sensor while monitoring the floor temperature not to exceed the upper limit. This application, like Floor, can be used in places such as wood floors where floor temperature is critical.
Sensor Selection setting method:
After entering Settings, tap ▲ or ▼ to select Sensor Selection .
Tap OK to enter the selection.
Tap ▲ or ▼ to select the sensor application type.
Tap OK to confirm.
Tap OK to return to the real-time temperature interface.

5. Calibration
This thermostat has built-in probe and floor sensor calibration function. In the case of demand for higher precision
Calibration setting method:
After entering Settings , tap ▲ or ▼ to select Calibration .
Tap OK to go to select Room or Floor .
Tap ▲ or ▼ to select Compensate Built-in Probe or Floor Sensor.
Tap OK to enter the compensation setting.
Tap ▲ or ▼ to adjust the real-time temperature to match the displayed temperature value of the calibration instrument.
Tap OK to return to the setting item selection.

6. Location
This thermostat is suitable for use in both homes and offices. For the office, a set of weekly program parameters is built in. See the Weekly Program Parameters section for details.
Location setting method:
After entering Settings, tap ▲ or ▼ to select Location.
Tap OK to go to select Office or Home.
Tap ▲ or ▼ to select one.
Tap OK to confirm.
Tap OK to return to the real-time temperature interface.

7.Adaptive
This thermostat has an adaptive function. When this function is enabled, the thermostat heats up or stops heating in advance so that the next stage comes and the temperature just reaches the set temperature.
Adaptive setting method:
After entering Settings, tap ▲ or ▼ to select Adaptive.
Tap OK to enter the selection.
Press ▲ or ▼ to get Yes or No.

Tap OK to confirm.
Tap OK to return to the real-time temperature interface.

8.Readout
This thermostat has the function of calculating the percentage of heating time over a period of time. The relevant parameters can be queried through the Readout item.
Readout query method:
After entering Settings, tap ▲ or ▼ to select Readout.
Tap OK to enter the selection.
Tap ▲ or ▼ to select 1Day, 30Days or 365Days to query.
Tap OK to return to the setting item selection.

9.Factory reset
This thermostat has the function of restoring factory parameters.
Factory Reset setting method:
After entering Settings, tap ▲ or ▼ to select Factory Reset.
Tap OK to enter the selection.
Tap ▲ or ▼ to select Yes or No.
Tap OK to confirm.
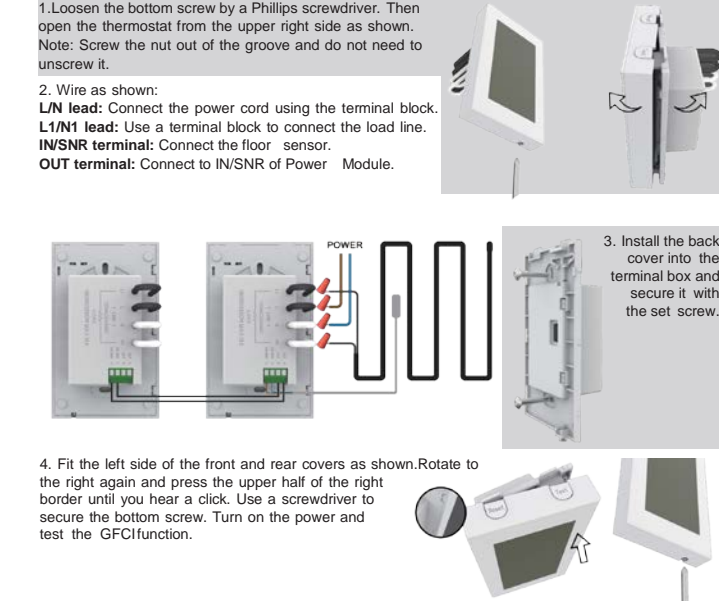*Tap OK to return to the real-time temperature interface.*

Settings default parameter list

NO.	Name	Default Parameter	Setting Range
1	Time	/	/
2	°F/°C	°F	°F °C
3	Sensor Type	00 3950	00 3950 01 3600 02 3700
4	Sensor Selection	Floor	Room FLoor Room.Limit
5	Calibration	0°F	-9°F -- 9°F
6	Location	Home	Home Office
7	Adaptive	No	Yes No
8	Readout	/	/
9	Factory Reset	No	Yes No

Troubleshooting
E1: Built-in probe failure, please contact your dealer or professional technician.
E2: External probe failure, please contact your dealer or professional technicia

Installation
1.Loosen the bottom screw by a Phillips screwdriver. Then open the thermostat from the upper right side as shown.
Note: Screw the nut out of the groove and do not need to unscrew it.

2. Wire as shown:
L/N lead: Connect the power cord using the terminal block.
L1/N1 lead: Use a terminal block to connect the load line.
IN/SNR terminal: Connect the floor sensor.
OUT terminal: Connect to IN/SNR of Power Module.

3. Install the back cover into the terminal box and secure it with the set screw.

4. Fit the left side of the front and rear covers as shown.Rotate to the right again and press the upper half of the right border until you hear a click. Use a screwdriver to secure the bottom screw. Turn on the power and test the GFCI function.

Classification
The thermostat is a Class II device (reinforced insulation) and used for controlling electrical floor heating. The product must be connected to the following leads:
L/N lead: Connect the power cord using the terminal block.
L1/N1 lead: Use a terminal block to connect the load line(Max 15A).
Note:
Electric floor heating cable/mat must be in accordance with the supply voltage.
The terminals are designed to handle a cross-section of wire measuring 12-22AWG.

Technical specification：ET-72GW、ET-7AW、ET-92GW

Supply voltage:	120/240 VAC 50/60 Hz	Load: max.15 A (resistive load)
GFCI:	Class A (5 mA trip level)	Setpoint range: +5 to +40°C / +41 to +104°F
Temperature range:	+5 to +45°C / +41 to +113°F	

Dimension(Inch)

3.0   0.7   1.8
1.0
4.9   2.7   3.3

WARNING：

Any Changes or modifications not expressly approved by the party

responsible for compliance could void the user's authority to operate

the equipment.

This device complies with Part 15 of the FCC Rules. Operation is

subject to the following two conditions:

(1) this device may not cause harmful interference, and

(2) this device must accept any interference received, including

interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the

limits for a Class B digital device, pursuant to part 15 of the FCC

Rules. These limits are designed to provide reasonable protection

against harmful interference in a residential installation. This

equipment generates uses and can radiate radio frequency energy

and, if not installed and used in accordance with the instructions,

may cause harmful interference to radio communications. However,

there is no guarantee that interference will not occur in a particular

installation. If this equipment does cause harmful interference to

radio or television reception, which can be determined by turning

the equipment off and on, the user is encouraged to try to correct

the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.

-Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from

that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set

forth for an uncontrolled environment. This equipment should be

installed and operated with minimum distance 20cm between

the radiator & your body.