

# ER49W

## Intelligent Thermostat for Electric Floor Heating

- WiFi control with APP
- Works with home assistant
- Sensor compatibility
- 3.5 inch color screen
- Easy to use



## Core Components

### WiFi Control

Adjust your home heating from anywhere on your smartphone's APP:  
Valley tech  
Smart Life

### Home Assistant

Control the WiFi thermostat through the smart home assistant:  
Amazon Alexa Google Assistant  
Yandex Alice

### Sensor Compatibility

The floor temperature sensor of the following brands can be connected:  
Menred-10k OJ-12k Devi-15k

### 3.5 Inch Color Screen

3.5 inch color screen displays the room's current temperature, and the capacitive touch allow you to set it

### Easy To Use

Menu-style operation interface, concise and clear  
Comes with a function explanation interface, easy to understand and set

## Features

### Shared Access

Your family and your colleagues could operate the thermostats if you share the thermostat to them.

### Form A Group

Group all ER49Ws into groups to modify all room temperatures at the same time

### Office or Home

Can be installed in the room at home or in the office

### Mode

Three modes are provided: Auto mode, Manual mode, Holiday mode.

### Program

Store the starting time and temperature of the four events of getting up, going out to work, going home, and sleeping every day

### Energy Use

View cumulative electricity consumption for the last week, month, or, year electricity consumption.

### Language

Available in 7 languages: English(default), Deutsch, Español, Polskie, Nederlands, Русский, Français

### Standby Brightness

In special scenarios such as the bedroom at night, it provides functions such as reducing the standby brightness or even turning off the screen.

### Adaptive Function

Meet the latest EU ECO requirements

### Open Window

Prevent the room temperature from dropping suddenly due to opening windows and continue heating, resulting in energy waste

### Sensor Selection

The room temperature can be measured with the built-in probe of the thermostat, and the floor temperature can be measured with the external probe

### Sensor Calibration

Comparable to high-precision temperature measuring instruments to correct the accuracy of the sensor

### Child Lock

Set the key lock to prevent children and the elderly from setting the thermostat incorrectly

### °F/°C

Choose the appropriate temperature unit according to your own habits.

### Factory Reset

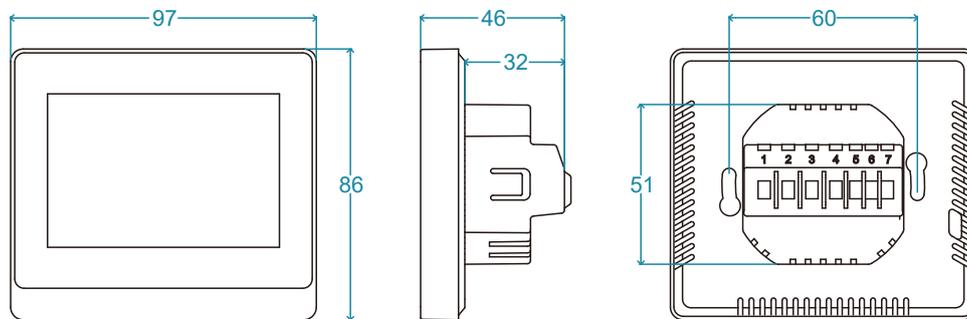
Reset the thermostat to restore the parameters to the factory state



## Technical Data

Voltage:	120/230V~ 50/60Hz	Temperature range:	
Standby Power:	1W	Room Temperature:	5~40°C
Relay:	Max. 16A(Resistive load)	Floor Temperature:	5~40°C
Terminal Wire Size:	Max. 2.5mm <sup>2</sup>	Floor Temperature Limit:	20~50°C
Floor Sensor Type:	0-10k (default)    1-10k 2-12k                    3-15k	IP Class:	IP21
Ambient temperature:	0-45°C	Dimensions:	97*86*46mm (in-wall depth: 29mm)
On/Off Differential:	±0.5°C	Display:	480*320 pixel TFT - capacitive touch
Storage temperature:	-10~50°C	Approvals:	CE(Include RED)/UKCA
		Thermostat Weight:	150g

## Dimensions(mm)



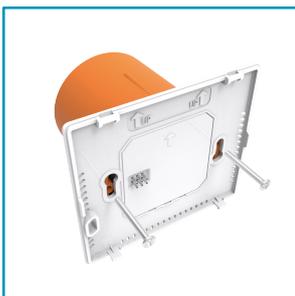
## Mounting Instruction



**1.** Using a small flat-blade screwdriver to insert it into the empty slot at the front cover. Then use the screwdriver to pry the thermostat forward, and then please separate the front cover from the back cover by hand carefully.



**2.** The wires must be connected as follows:  
 L: Power Live.  
 N: Power Neutral.  
 S/L-N: Relay, Max. 16A(Resistive load).  
 NTC: External floor sensor.  
**Note:** Be sure to use the terminal block to connect the load ground wire and the power cable ground wire.



**3.** Fasten the thermostat to a socket or an exterior wall box by driving the screws through the holes in each side of the thermostat.



**4.** Fit the front cover to the top of the back cover, then press the bottom of the front cover with your fingers to secure the front cover to the back cover.  
**Note:** When pressing the front cover, it is forbidden to press the middle display area.