

ER37W

Intelligent Thermostat for Electric Floor Heating

- WiFi control with APP
- Works with home assistant
- Sensor compatibility
- 3.08 inch Segment LCD
- 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

3.08 Inch Segment LCD

3.08 inch Segment LCD displays the room's current temperature, and the capacitive touch Button allow you to set it

Easy To Use

Menu-style operation interface, concise and clear, 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 ES49Ws 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

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

Download from



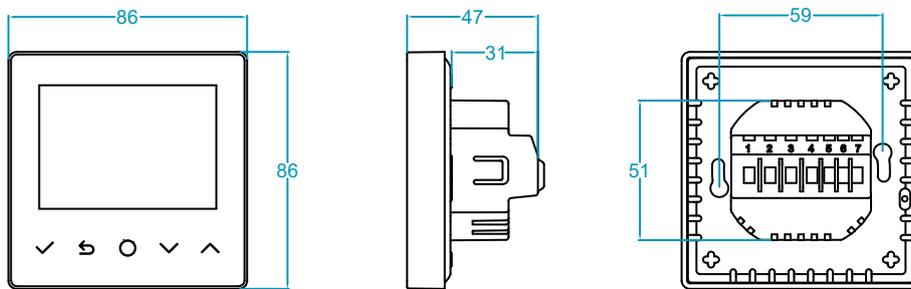
Home Assistant



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 ²	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:	86*86*47mm (in-wall depth: 31mm)
On/Off Differential:	±0.5°C	Display:	3.08 inch Segment LCD
Storage temperature:	-10~50°C	Approvals:	CE(Include RED)/UKCA
		Thermostat Weight:	162g

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.