



Warmme APP

General App for all  
Jiahong Wifi Thermostats

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Wuhu Jiahong New material Co., LTD

# TEMPERATURE CONTROL PRODUCT INTRODUCTION

2025

BRING WARMTH TO THE WORLD

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## “Your Reliable Smart Thermostat Supplier”

### Wuhu Jiahong New Material Co.,Ltd

Wuhu Jiahong New Material Co. Ltd is a professional manufacturer in Asia-pacific established in 2002. Jiahong is a national high-tech enterprise integrating design, research and development, production, sales and engineering service guidance. It has 1 manufacture base, 1R&D centre, 14 sales offices and 2 oversea joint ventures total more than 400 employees.



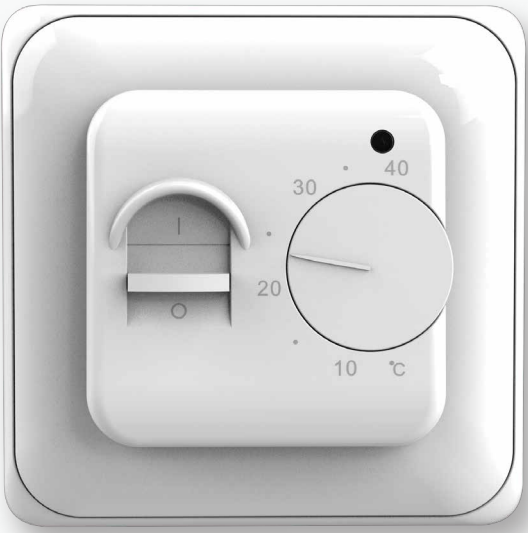
Wuhu Jiahong New Material Co.Ltd owns a dust-free workshop covers an area of 1,500 square meters. The whole workshop is equipped with a standard FFU system to monitor the air quality in real time so effectively maintain a dust-free environment. The workshop is also equipped with most advanced production equipment in the industry of Panasonic NPM placement machine, JT lead-free reflow and nitrogen wave soldering, plug-in & welding lines, lean U-shaped assembly lines. Jiahong's daily output of thermostats is 1500 sets and export thermostats to Europe and North America with an annual sales of 300,000 sets.

Jiahong also has a professional R&D team of 15 engineers for smart controller development, till now we already launched more than 30 thermostat controllers. Our thermostat controllers are approved by CE, RED, UKCA, EAC in European Market, cETLus in North America market. We offer 2 years limited warranty for all thermostat controller products.

We warmly welcome you to join us, to make the world warmer and smarter.



# MANUAL KNOB SERIES



## MT26

Electric Heating Thermostat

### HIGHLIGHTS



Knob control



Heating light



Toggle switch



A mechanical thermostat for controlling electric underfloor heating systems. It provides stable, reliable operation with simple control, requiring no complex settings, to maintain a comfortable home temperature.

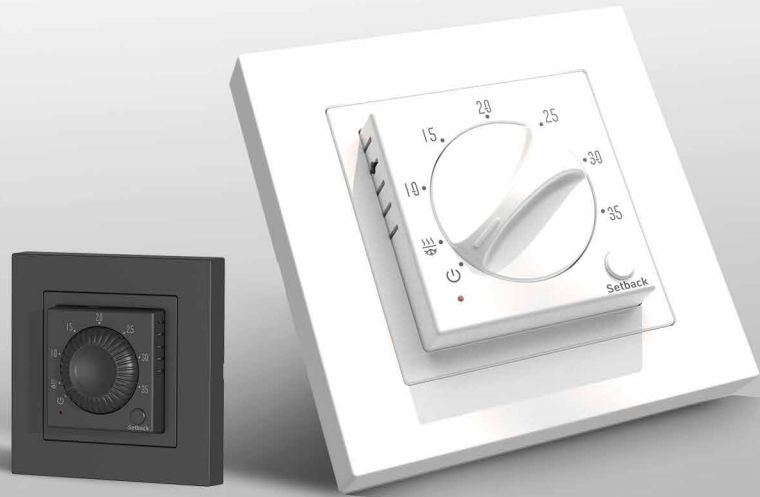
### TECHNICAL PARAMETERS

|                |                            |                   |                     |
|----------------|----------------------------|-------------------|---------------------|
| SUPPLY VOLTAGE | 85-265 Vac 50/60 Hz        | IP RATING         | IP20                |
| MAX LOAD       | 16A FOR ELECTRICAL HEATING | DIMENSIONS(H/W/D) | 86*86*50(MM)        |
| STANDBY POWER  | <0.5W                      | WIRE DIAMETER     | ≤2.5MM <sup>2</sup> |
| SETTING RANGE  | 5~ 40℃                     | COLOR             | WHITE & BLACK ...   |
| APPROVAL       | CE / UKCA / EAC            | WARRANTY          | 2 YEARS             |

ET-28

Electric Heating Thermostat

A mechanical manual-control thermostat utilizing room and floor sensors for precise temperature regulation. Supports customizable mid-frame adapters and offers two knob variants for flexible styling.



It can be adapted to 7 types of middle frames such as Schneider/Legrand/Berker-Q/JungA500

- TEMP TOLERANCE**  
Reduce the number of frequent starts of relays.Reduce noise and extend life.
- 25+/- SETBACK**  
Actively reduce the heating temperature, save energy consumption
- ROOM AND FLOOR SENSOR**  
The user can choose the sensor according to the need, and the floor protection function is provided under the dual temperature and dual control.
- SET THE UPPER AND LOWER LIMITS OF THE TEMPERATURE**  
If you want to set the maximum and minimum temperature within an ideal range,you can adjust it manually.

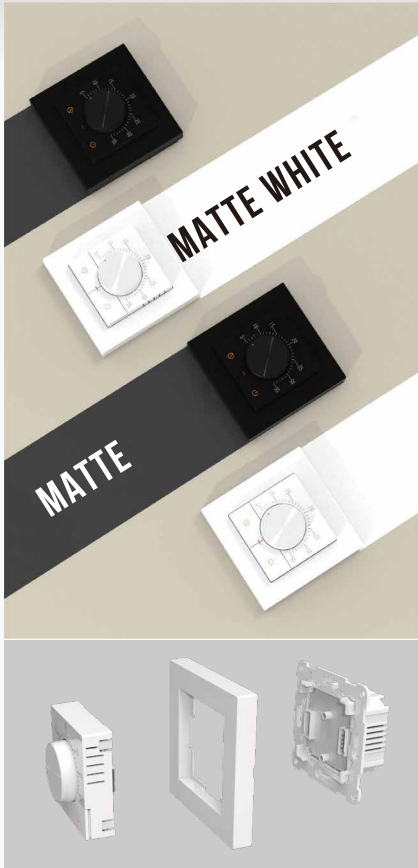
TECHNICAL PARAMETERS

|                      |                            |                             |                 |
|----------------------|----------------------------|-----------------------------|-----------------|
| SUPPLY VOLTAGE       | 85-265 Vac 50/60 Hz        | FLOOR TEMP.LIMIT PROTECTION | 30°C            |
| MAX LOAD             | 16A FOR ELECTRICAL HEATING | DIMENSIONS(H/W/D)           | 84*84*50(MM)    |
| STANDBY POWER        | < 0.3W                     | CERTIFICATION               | CE / EAC        |
| SETTING RANGE        | +5TO+35°C                  | SENSOR                      | ROOM+FLOOR      |
| TEMP.TOLERANCE RANGE | 1-3°C                      | SENSOR TYPE                 | NTC 3950 10K 1% |
| SETBACK              | 2-8°C                      |                             |                 |

ET-29

Electric Heating Thermostat

A mechanical manual-control thermostat for precise temperature management via room and floor sensors. Configurable with different mid-frame adapters to meet specific customer requirements.



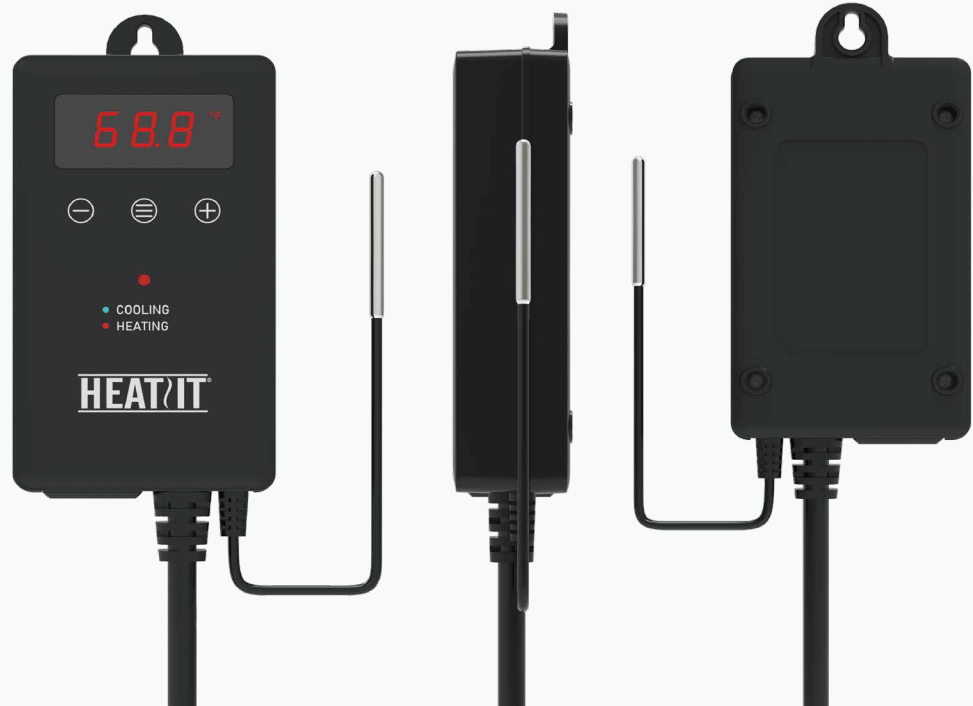
It can be adapted to various 55\*55 size middle frames such as Schneider/Legrand/JungA500

- TEMP TOLERANCE**  
Reduce the number of frequent starts of relays.Reduce noise and extend life.
- 25+/- SETBACK**  
Actively reduce the heating temperature, save energy consumption
- ROOM AND FLOOR SENSOR**  
The user can choose the sensor according to the need, and the floor protection function is provided under the dual temperature and dual control.
- SET THE UPPER AND LOWER LIMITS OF THE TEMPERATURE**  
If you want to set the maximum and minimum temperature within an ideal range,you can adjust it manually.

TECHNICAL PARAMETERS

|                      |                            |                             |                 |
|----------------------|----------------------------|-----------------------------|-----------------|
| SUPPLY VOLTAGE       | 85-265 Vac 50/60 Hz        | FLOOR TEMP.LIMIT PROTECTION | 30°C            |
| MAX LOAD             | 16A FOR ELECTRICAL HEATING | DIMENSIONS(H/W/D)           | 84*84*52(MM)    |
| STANDBY POWER        | < 0.3W                     | CERTIFICATION               | CE / EAC        |
| SETTING RANGE        | +5TO+35°C                  | SENSOR                      | ROOM+FLOOR      |
| TEMP.TOLERANCE RANGE | 1-3°C                      | SENSOR TYPE                 | NTC 3950 10K 1% |
| SETBACK              | 4-8°C                      |                             |                 |

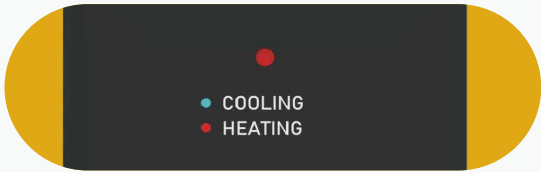
ET-31



Functional Design Features



WiFi Connection and Weekly Schedule Chart Display

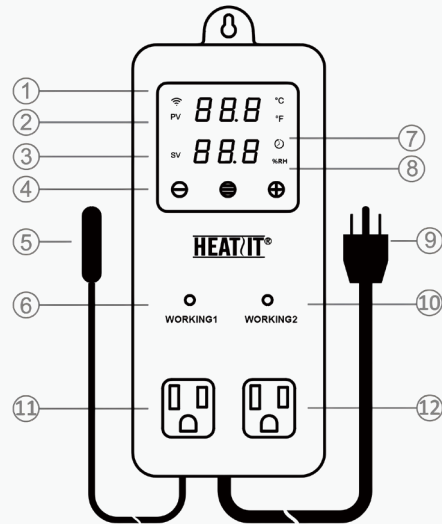


Dual mode, cooling and heating, with blue and red lights for a more intuitive display

TECHNICAL PARAMETER

|                              |                                                                |                              |                                          |
|------------------------------|----------------------------------------------------------------|------------------------------|------------------------------------------|
| INPUT POWER                  | 120VAC 60HZ                                                    | TEMP. MEASUREMENT RANGE      | -30~99°C/-22~210°F                       |
| MAXIMUM OUTPUT               | HEATING EQUIPMENT: MAX 10A<br>REFRIGERATION EQUIPMENT: MAX 10A | TEMPERATURE SETTING INTERVAL | 0.5°C/1.0°F                              |
| TEMPERATURE SENSOR           | NTC R25°C=10K/3950                                             | AMBIENT TEMPERATURE          | -10°C~50°C/14~122°F                      |
| SENSOR LENGTH                | 2M/6.56FT                                                      | HUMIDITY                     | 20~80%RH(UNFROZEN OR CONDENSATION STATE) |
| POWER CORD LENGTH            | 1.5M/5FT                                                       | STORAGE ENVIRONMENT          | 0°C~60°C/32°F~140°F                      |
| WIFI STANDARD                | 2.4GHZ                                                         | PERIOD OF QUALITY GUARANTEE  | 2 YEARS                                  |
| TEMPERATURE DISPLAY ACCURACY | 0.1°C/°F(<100°C/°F) , 1°C/°F(>=100°C/°F)                       |                              |                                          |

ET-32



- ① : Icon flashes: Wi-Fi not connected. Icon is constantly on: Wi-Fi connected.
- ② PV: Process Value. under standby mode, display current temperature; under setting mode, display menu code.
- ③ SV: Setting Value. under standby mode, display setting temperature; under setting mode, display setting value.
- ④ Decrease/Home/Increase key.
- ⑤ Temperature probe.
- ⑥ Working1 indicator :RED
- ⑦ : Weekly program mode has been activated. Open the settings in the APP
- ⑧ Humidity unit.
- ⑨ Input power.
- ⑩ Working2 indicator:BLUE
- When the temperature control mode is activated:**  
11: Heating socket. 12: Cooling socket.
- When the humidity control mode is activated:**  
11: Humidifier socket 12: Dehumidification socket
- When both temperature and humidity are controlled simultaneously, these two sockets can be set according to the requirements. For example:**  
11: Heating/Cooling socket 12: Humidifier socket/Dehumidification socket

TECHNICAL PARAMETER

|                              |                    |                              |                                           |
|------------------------------|--------------------|------------------------------|-------------------------------------------|
| INPUT POWER                  | 120VAC 60HZ        | TEMP. MEASUREMENT RANGE      | -30~99°C/-22~210°F                        |
| MAXIMUM OUTPUT               | 15A                | HUMIDITY MEASUREMENT RANGE   | 5-99%RH                                   |
| IP                           | IP66               | TEMPERATURE CONTROL ERROR    | ±0.5°C/±1.0°F                             |
| TEMPERATURE SENSOR           | NTC R25°C=10K/3950 | HUMIDITY CONTROL ERROR       | ±3%RH                                     |
| SENSOR LENGTH                | 2M/6.56FT          | AMBIENT TEMPERATURE          | -10°C~50°C/14~122°F                       |
| POWER CORD LENGTH            | 1.5M/5FT           | AMBIENT HUMIDITY             | 20~85%RH(UNFROZEN OR CONDENSATION STATE ) |
| WIFI STANDARD                | 2.4GHZ             | SENSOR OPERATING ENVIRONMENT | -30°C~100°C/-86~212°F                     |
| TEMPERATURE DISPLAY ACCURACY | 0.1°C/1°F          | STORAGE ENVIRONMENT          | 0°C~60°C/32°F~140°F                       |
| HUMIDITY DISPLAY ACCURACY    | 0.1%RH             | PERIOD OF QUALITY GUARANTEE  | 2 YEARS                                   |

# ET-87

## Electric Heating Thermostat



### HIGHLIGHTS

- Brand-new UI design, split screen to intuitively display information
- 66\*66 compact magnetic installation, adaptable to various frame sizes
- Energy consumption curve chart in APP, monthly statistics are clear and concise
- Support OTA wireless remote upgrade, convenient update function
- Customized display of split screen content to meet individual needs
- Automatic and accurate detection of load power, safe and efficient operation
- Real-time weather information display, intimate life assistant

### FUNCTIONS

- Weekly program setting, manual constant temperature adjustment, automatic antifreeze protection on holidays
- Intelligent adaptive environmental change function
- Accurate window opening detection, automatic adjustment of indoor temperature
- Real-time energy consumption calculation, energy saving and worry-free
- Support 8 to 10 multi-language interfaces
- Mobile APP remote intelligent control, convenient and efficient
- Built-in 2.4G wifi module, stable and fast connection
- Dual temperature zones independent control, temperature limit protection is safer
- Compatible with various types of sensors to meet diverse needs
- Support multi-platform intelligent voice control, easy control by voice commands

Two 0.96-inch high-definition color screens are configured, the screen can be split to flexibly present a variety of practical information, the UI design is user-friendly, and the upper and lower screens can be freely customized to display content.

66\*66mm compact size Magnetic installation, convenient and stable



Bright matte combined design, visual emphasis and elegance

Hidden status indicator light, simple yet technological

Split buttons, convenient and flexible operation

### TECHNICAL PARAMETERS

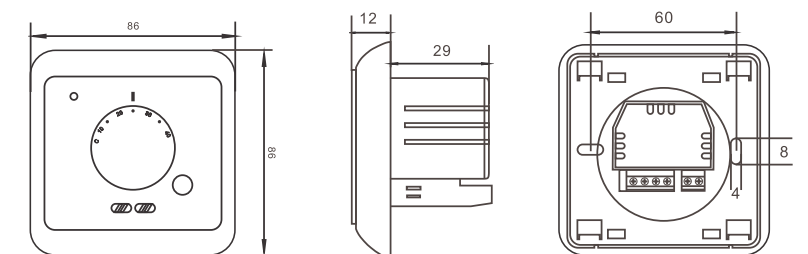
|                |                                                  |                   |                     |
|----------------|--------------------------------------------------|-------------------|---------------------|
| SUPPLY VOLTAGE | 85-265 VAC 50/60 HZ                              | IP RATING         | IP31                |
| MAX LOAD       | 16A FOR ELECTRICAL HEATING, 3A FOR WATER HEATING | DIMENSIONS(H/W/D) | 86*86*45(MM)        |
| STANDBY POWER  | <0.5W / <3W (WIFI)                               | WIRE DIAMETER     | <2.5MM <sup>2</sup> |
| SETTING RANGE  | 5~40°C                                           | COLOR             | WHITE & BLACK...    |
| APPROVAL       | CE / UKCA / EAC / RED                            | WARRANTY          | 2 YEARS             |

# JH-720

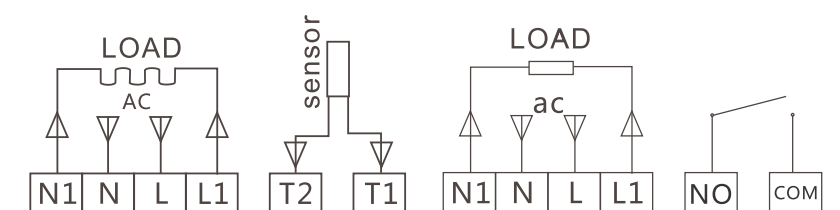
## Electric/Water heating thermostat



### DIMENSIONS



### WIRING DIAGRAM



### ELECTRICAL SPECIFICATIONS

|                      |                                                  |                                    |               |
|----------------------|--------------------------------------------------|------------------------------------|---------------|
| POWER SUPPLY         | AC85-250V, 50/60 HZ                              | TEMPERATURE SENSOR                 | NTC10K(β3950) |
| TEMPERATURE ACCURACY | ±1°C                                             | WORKING ENVIRONMENT TEMPERATURE    | -5°C~50°C     |
| CONSUMPTION POWER    | <2W                                              | TEMPERATURE SETTINGS               | 5°C~40°C      |
| ELECTRIC CURRENT     | 16A FOR ELECTRICAL HEATING, 3A FOR WATER HEATING | STORAGE AMBIENT TEMPERATURE        | -10°C~60°C    |
| PROTECTION LEVEL     | IP20                                             | PRODUCT DESIGN EXECUTION STANDARDS | CE            |

# LCD SEGMENT DISPLAY SERIES AND WIFI SERIES



ST-16

## TT-16/ST-16

### Electric Heating Thermostat

Classic-design intelligent programmable thermostats for electric underfloor heating. Functionally identical, the ST-16 features physical button operation, and the TT-16 offers touchscreen control, both ensuring reliability and a clean aesthetic.

#### HIGHLIGHTS



Window opening  
detection



Adaptive  
function



Sensor  
selection

#### KEY FEATURES

- Auto/Hold mode
- Key-lock
- Anti-frozen
- Floor temperature limit
- Sensor selection
- WiFi



ST-16 WIFI



- Weekly programmable 5+1+1/  
7/6+1with 6-event per day
- Open windows detection
- Adaptive function

TT-16

#### TECHNICAL PARAMETERS

|                |                            |                   |                     |
|----------------|----------------------------|-------------------|---------------------|
| SUPPLY VOLTAGE | 85-265 VAC 50/60 HZ        | IP RATING         | IP20                |
| MAX LOAD       | 16A FOR ELECTRICAL HEATING | DIMENSIONS(H/W/D) | 86*90*43(MM)        |
| STANDBY POWER  | < 0.5W                     | WIRE DIAMETER     | <2.5MM <sup>2</sup> |
| SETTING RANGE  | 5 ~90°C                    | COLOR             | WHITE & BLACK...    |
| APPROVAL       | CE / UKCA / EAC            | WARRANTY          | 2 YEARS             |



Non-WiFi model



WiFi smart model

# ET-43/44

## PRODUCT DESCRIPTION

ET-43/44W series thermostats are divided into Non-WiFi model and WiFi smart models. The Non-WiFi version ET-43 can meet the basic needs of users for temperature control and alarm; the WiFi smart version ET-44W provides more intelligent functions.

## SHINING POINT



Compatible with multiple frames

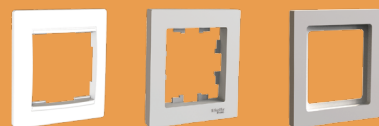


Compatible with multiple sensors

## ET-43/44 MAIN FEATURES

- Fit in 3 different frame types
- 9-level adjustable standby brightness
- 5 Sensor types compatible
- Open windows
- Anti-frozen
- Floor temperature limit
- Room/Floor Sensor selection

It can be adapted to 7 types of middle frames such as Schneider/Legrand/Berker-Q/JungA500



## ET-44W MAIN FEATURES

- Auto/Hold/Holiday mode
- Weekly programmable 5+1+1/7 with 4-event per day
- Adaptive function
- Energy use
- APP remote access



## TECHNICAL PARAMETERS

|                |                                    |                   |                     |
|----------------|------------------------------------|-------------------|---------------------|
| SUPPLY VOLTAGE | 120-240 VAC 50/60 HZ               | IP RATING         | IP21                |
| MAX LOAD       | 16A(RESISTIVE LOAD)                | DIMENSIONS(H/W/D) | 84*84*49(MM)        |
| STANDBY POWER  | <0.3W/ <3W ( WIFI )                | WIRE DIAMETER     | <2.5MM <sup>2</sup> |
| SETTING RANGE  | 5~40°C                             | COLOR             | WHITE & BLACK...    |
| APPROVAL       | CE / EAC / UKCA / ECO DESIGN / TUV | WARRANTY          | 2 YEARS             |

# ET-45

## Electric Heating Thermostat



The digital tube interface is concise and clear, effectively expanding the overall display area

55×55 magnetic installation, convenient, stable and beautiful

The center is embedded with a breathing light to enhance the technological atmosphere

The whole adopts AG+ smooth glass panel, which has excellent texture and scratch resistance, and contains a sense of technology in simplicity. The magnetic digital tube has distinctive design features, is easy to assemble and shows a unique style.

## FUNCTIONS

- Weekly program setting, manual constant temperature adjustment, automatic antifreeze protection on holidays
- Intelligent adaptive indoor environment change function
- Real-time energy consumption calculation, optimize energy use
- APP remote intelligent control, convenient and efficient
- Built-in 2.4G wifi, stable and fast connection
- Dual temperature zones with independent dual control to meet diverse needs
- Widely support various types of sensors, flexible configuration

## HIGHLIGHTS

- 55\*55 magnetic installation, suitable for various frame sizes
- APP intuitively displays energy consumption curve and monthly energy consumption statistics
- The device supports OTA remote upgrades to continuously optimize the experience
- Automatically and accurately detect load power, safe and efficient operation
- Equipped with breathing lights, the status indication is clear at a glance

## TECHNICAL PARAMETERS

|                |                                                 |                   |                     |
|----------------|-------------------------------------------------|-------------------|---------------------|
| SUPPLY VOLTAGE | 85-265 VAC 50/60 HZ                             | IP RATING         | IP21                |
| MAX LOAD       | 16A FOR ELECTRICAL HEATING,3A FOR WATER HEATING | DIMENSIONS(H/W/D) | 84*84*49(MM)        |
| STANDBY POWER  | <0.3W/ <3W ( WIFI )                             | WIRE DIAMETER     | <2.5MM <sup>2</sup> |
| SETTING RANGE  | 5~40°C                                          | COLOR             | WHITE & BLACK...    |
| APPROVAL       | CE / EAC / UKCA / RED                           | WARRANTY          | 2 YEARS             |



## ET-61/62

### Electric Heating Thermostat

An intelligent thermostat for electric underfloor heating systems, designed for comfort and energy savings. The Wi-Fi enabled ET-61W/62W models allow wireless remote control via a smartphone application.



#### HIGHLIGHTS



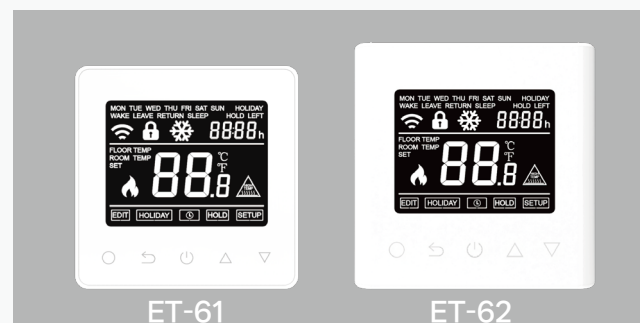
Window opening detection



Adaptive function



Sensor selection



#### KEY FEATURES

- HD VA display SScreen
- Auto/Hold/Holiday mode
- Key-lock
- Anti-frozen
- Floor temperature limit
- Room/Floor Sensor selection
- Weekly programmable 5+1+1 with 4-event per day
- Open window detection
- Adaptive function
- APP remote acegss

#### TECHNICAL PARAMETERS

|                |                                                 |                         |                              |
|----------------|-------------------------------------------------|-------------------------|------------------------------|
| SUPPLY VOLTAGE | 85-265 VAC 50/60 HZ                             | IP RATING               | IP21                         |
| MAX LOAD       | 16A FOR ELECTRICAL HEATING,3A FOR WATER HEATING | 61/62 DIMENSIONS(H/W/D) | 86*86*42(MM)<br>96*96*42(MM) |
| STANDBY POWER  | <0.5W / <3W                                     | WIRE DIAMETER           | <2.5MM <sup>2</sup>          |
| SETTING RANGE  | 5~40°C                                          | COLOR                   | WHITE & BLACK...             |
| APPROVAL       | CE / UKCA / EAC / RED                           | WARRANTY                | 2 YEARS                      |

## ET-63

### Electric Heating Thermostat

Combines thermostat functionality with an independent timing system for versatile applications: residential (gas boilers, towel rails, lighting, sprays), commercial (ventilation, signage), and more. Includes an additional sensor interface.



#### KEY FEATURES

- HD VA display SScreen
- Auto/Hold/Holiday mode
- Key-lock
- Anti-frozen
- Floor temperature limit
- Sensor selection
- Two external sensors (air/floor)
- Weekly programmable 5+1+1 with 4-event per day
- Open window detection
- Adaptive function
- APP remote acegss
- Luminous keying
- Timer system

#### TECHNICAL PARAMETERS

|                |                                                 |                   |                     |
|----------------|-------------------------------------------------|-------------------|---------------------|
| SUPPLY VOLTAGE | 85-265 VAC 50/60 HZ                             | IP RATING         | IP21                |
| MAX LOAD       | 16A FOR ELECTRICAL HEATING,3A FOR WATER HEATING | DIMENSIONS(H/W/D) | 86*86*38(MM)        |
| STANDBY POWER  | <0.5W / <3W                                     | WIRE DIAMETER     | <2.5MM <sup>2</sup> |
| SETTING RANGE  | 5~40°C                                          | COLOR             | WHITE & BLACK...    |
| APPROVAL       | CE / UKCA / EAC / RED                           | WARRANTY          | 2 YEARS             |

#### HIGHLIGHTS



Timer system



Luminous keying



Two external sensors(air/floor)



Thin design



Auto/Comfort mode

7

Weekly programmable 7



Key-clock



4 Touch buttons



Room+Floor sensor Only 10K 3950



Matches the legrand Valena Frame



## ET-64

### Electric Heating Thermostat

An intelligently programmable thermostat primarily for electric underfloor heating. Delivers comfort with energy efficiency and features simplified logic for compatibility with Lego Valena series frames.



#### TECHNICAL PARAMETERS

|                |                            |                   |                            |
|----------------|----------------------------|-------------------|----------------------------|
| SUPPLY VOLTAGE | 85-265 VAC 50/60 HZ        | HOUSING           | ABS TO UL94-5FIRE STANDARD |
| CAPACITY       | 16A FOR ELECTRICAL HEATING | DIMENSIONS(H/W/D) | 84*84*50(MM)               |
| STANDBY POWER  | <0.3W                      | DISPLAY           | LCD WHITE BACKLIGHT        |
| SETTING RANGE  | +5~+80°C                   | WIRE DIAMETER     | ≤2.5MM <sup>2</sup>        |
| IP RATING      | IP31                       | APPROVAL          | CE / EAC                   |
| ACCURACY       | ±0.5°C                     |                   |                            |



JIAHONG

## ET-65

### PRODUCT DESCRIPTION

ET-65 series is a smart programmable thermostat used to control electrical underfloor heating system. It keeps your home at comfortable temperature whilst minimizing energy use. Simplified functional logic, The biggest feature is that it is compatible with Schneider Unica series, Legrand Valena series and many frames with an inner size of 56\*56mm, such as Schneider Exxact.



Window opening detection

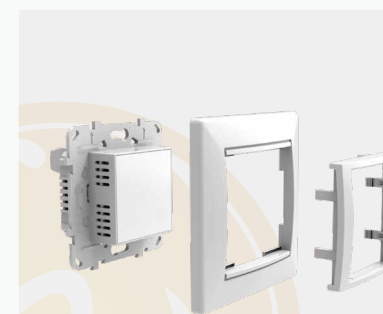
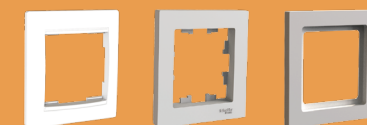


Adaptive function



Sensor selection

It can be adapted to 7 types of middle frames such as Schneider/Legrand/Berk-Q/JungA500



COMPATIBLE WITH BOTH STRAIGHT AND CIRCULAR MIDDLE FRAMES

### MAIN FEATURES

- LED full-screen display
- 4 Touch buttons
- Multiple sensor type 10K/12/15K
- Fit different frame type
- Room and floor sensor
- Supports 2.4GHz WIFI
- Auto/Hold/Holiday mode
- Child lock
- Weekly programmable 5+1+1/7 with 4-event per day
- Floor temperature limitSensor selection
- Open window detection
- Adaptive function
- APP remote access

#### TECHNICAL PARAMETERS

|                |                             |                   |                     |
|----------------|-----------------------------|-------------------|---------------------|
| SUPPLY VOLTAGE | 120-240 VAC 50/60 HZ        | IP RATING         | IP31                |
| MAX LOAD       | 16A FOR ELECTRICAL HEATING  | DIMENSIONS(H/W/D) | 84*84*46(MM)        |
| STANDBY POWER  | <0.3W                       | WIRE DIAMETER     | <2.5MM <sup>2</sup> |
| SETTING RANGE  | 5 ~80°C                     | COLOR             | WHITE & BLACK...    |
| APPROVAL       | CE / EAC / ECO DESIGN / TUV | WARRANTY          | 2 YEARS             |



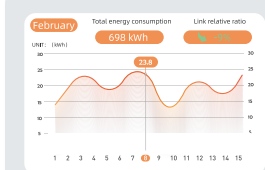
# ET-66

Electric Heating Thermostat



## ANTI -GLARE GLASS

Provided with a better visual experience and tactile sensation



Optimize the energy consumption display of the APP

ENERGY CONSUMPTION CURVE: ANNUAL, MONTHLY, WEEKLY  
WORKING HOURS DAILY ENERGY CONSUMPTION  
QUARTER-ON-QUARTER CHANGE AVERAGE TEMPERATURE



Active monitoring of current and voltage  
Self-calculated power  
25A High current load

- ◆ LED full-screen display
- ◆ Weekly programmable 5+1+1/7/24H
- ◆ Multiple sensor type 10K/12/15K
- ◆ Magnetic installation, Fit different frame
- ◆ Room and floor /Floor temperature limit
- ◆ Supports 2.4GHz WIFI and OTA
- ◆ Auto/Hold/Holiday/ECO mode



Human body sensor detection  
24GHZ RADAR + PIR DUAL-MODE HUMAN SENSORS  
HEATING WHEN YOU'RE THERE ENERGY-SAVING WHEN YOU LEAVE  
MONITORED AND ALARMED WHEN NO ONE AT HOME

## BREATHING LAMP

Give life to the rhythm of the product



## TECHNICAL PARAMETERS

|                |                                                 |                   |                     |
|----------------|-------------------------------------------------|-------------------|---------------------|
| SUPPLY VOLTAGE | 85-265 VAC 50/60 HZ                             | IP RATING         | IP31                |
| MAX LOAD       | 25A FOR ELECTRICAL HEATING,3A FOR WATER HEATING | DIMENSIONS(H/W/D) | 86*86*50(MM)        |
| STANDBY POWER  | <0.3W / <3W(WIFI )                              | WIRE DIAMETER     | <2.5MM <sup>2</sup> |
| SETTING RANGE  | 5~40°C                                          | COLOR             | WHITE / BLACK...    |
| APPROVAL       | CE / EAC / ECO DESIGN                           | WIFI MODULE       | 2.4G                |

# ET-67

Electric Heating Thermostat



86\*86 large panel type, with  
matte fine etched design



The front is displayed on a  
high-definition LED display

Imitation water ripple texture,  
natural, smooth and beautiful

## HIGHLIGHTS

- The APP intuitively displays energy consumption curves and monthly statistics
- The device supports convenient OTA remote upgrade function
- Automatically and accurately detects load power to ensure safety
- Equipped with advanced polit centralized control function to improve management efficiency

## FUNCTIONS

- Weekly program setting, manual constant temperature adjustment, holiday antifreeze mode
- Intelligent adaptive environment function
- Accurate window opening detection and response
- Real-time energy consumption calculation and display
- APP remote intelligent control system
- Built-in 2.4G high-speed wifi connection
- Dual temperature zones with independent dual control, temperature limit safety protection
- Widely support multiple types of sensor access

## TECHNICAL PARAMETERS

|                |                                                     |                         |                              |
|----------------|-----------------------------------------------------|-------------------------|------------------------------|
| SUPPLY VOLTAGE | 85-265 VAC 50/60 HZ                                 | IP RATING               | IP31                         |
| MAX LOAD       | 16A/25A FOR ELECTRICAL HEATING,3A FOR WATER HEATING | 61/62 DIMENSIONS(H/W/D) | 86*86*42(MM)<br>96*96*42(MM) |
| STANDBY POWER  | <0.5W / <3W                                         | WIRE DIAMETER           | <2.5MM <sup>2</sup>          |
| SETTING RANGE  | 5~40°C                                              | COLOR                   | WHITE & BLACK...             |
| APPROVAL       | CE / UKCA / EAC / RED                               | WARRANTY                | 2 YEARS                      |

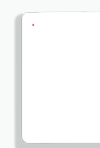


# ET-71

## Electric Heating Thermostat

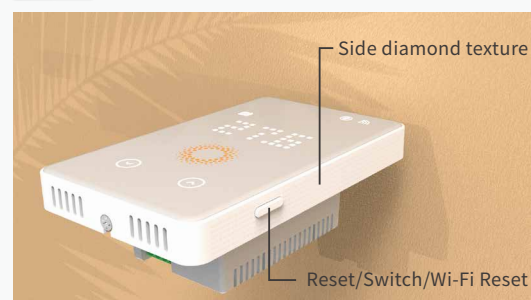
### HIGHLIGHTS

- LED lamp array, intuitive display of status
- Energy consumption curve in the APP, clear monthly statistics
- The device supports OTA remote upgrade, convenient maintenance
- Automatic and accurate detection of load power, safe and efficient
- Breathing light design, adding a sense of technology
- Full support for connecting Relay, both wired and wireless
- Adopting AG matte glass, delicate touch and anti-fingerprint
- Compact 75\*123\*14 small size, saving space
- Equipped with touch prompt sound feedback, intuitive operation



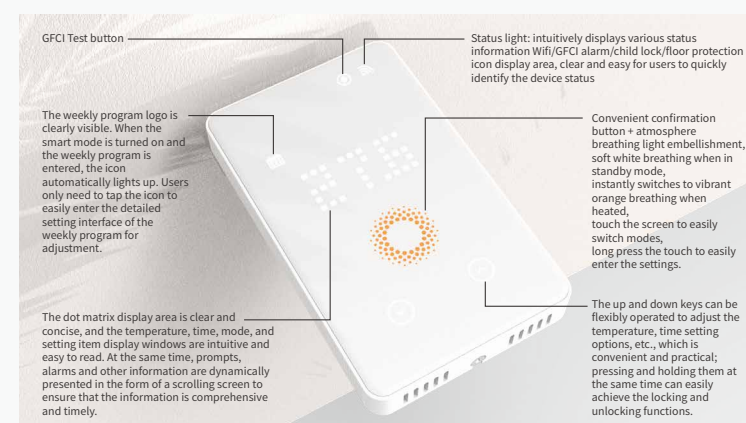
Model: Power module

Built-in Class A GFCI. Output can thus be increased by 15 A per module



### FUNCTIONS

- Weekly program setting, manual constant temperature adjustment, holiday anti-freeze mode protection
- Intelligent self-adaptation to environmental changes, improving ease of use
- Accurate window opening detection, automatic adjustment of indoor temperature
- Real-time energy consumption calculation, visible energy saving and power saving
- APP remote intelligent control, master the temperature at home anytime and anywhere
- 2.4G wifi fast connection, stable transmission without delay
- Dual temperature and dual control design, temperature limit protection to ensure safety
- Support various types of sensors, flexible adaptation to different scenarios
- Compatible with multi-platform voice control, smart life is ready
- GFCI A-level safety certification, more secure to use



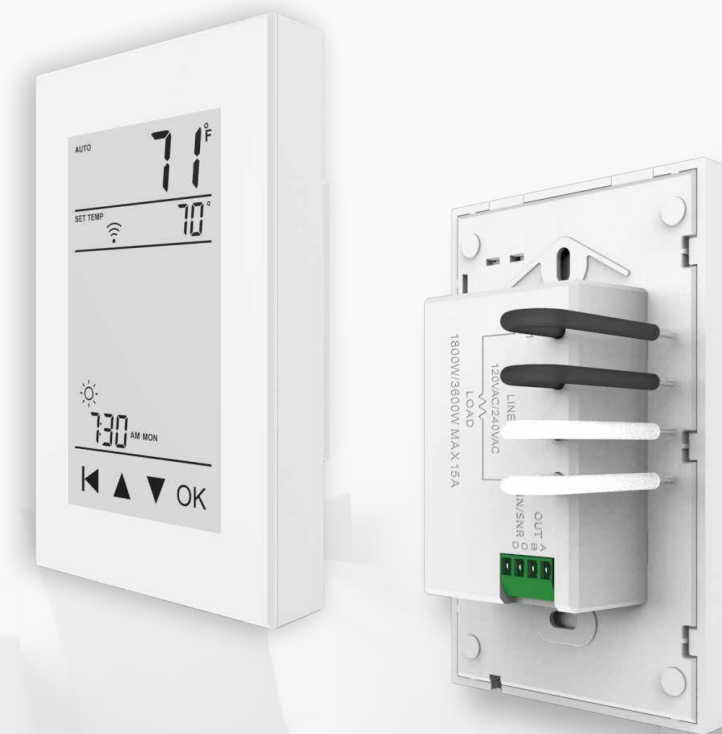
### TECHNICAL PARAMETERS

|                |                                                 |                   |                           |
|----------------|-------------------------------------------------|-------------------|---------------------------|
| SUPPLY VOLTAGE | 85-265 VAC 50/60 HZ                             | IP RATING         | IP31                      |
| MAX LOAD       | 16A FOR ELECTRICAL HEATING,3A FOR WATER HEATING | DIMENSIONS(H/W/D) | 130*81.5*50(MM)           |
| STANDBY POWER  | <0.5W / <3W(WIFI )                              | WIRE DIAMETER     | <2.5MM <sup>2</sup>       |
| SETTING RANGE  | 5~40°C                                          | GFCI              | CLASSA ( 5MA TRIP LEVEL ) |
| APPROVAL       | FCC / ETL                                       | WIFI MODULE       | 2.4G+5G                   |

# ET-72

## Electric Heating Thermostat

An intelligently programmable thermostat for electric underfloor heating. Enables remote control via Wi-Fi and a smartphone app, ensuring comfort and energy savings. North American versions include GFCI protection.

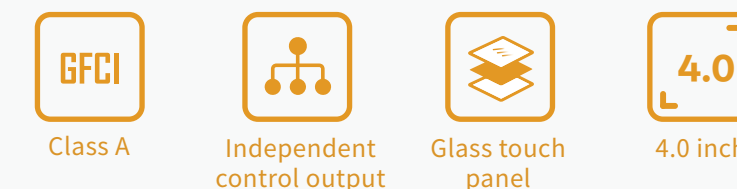


### KEY FEATURES

- 4.0 inch HD VA display screen
- Auto/Hold/Holiday mode
- Key-lock
- Anti-frozen
- Floor temperature limit
- Sensor selection
- Weekly programmable 5+1+1 with 4-event per day
- Open windows detection
- Adaptive function
- APP remote acegss
- GFCI protection

★ External independent control module:  
If an electric floor heating cable or mat system requires more than 15 Amps, install a power module.

### HIGHLIGHTS



### TECHNICAL PARAMETERS

|                |                            |                   |                           |
|----------------|----------------------------|-------------------|---------------------------|
| SUPPLY VOLTAGE | 85-265 VAC 50/60 HZ        | IP RATING         | IP21                      |
| MAX LOAD       | 15A FOR ELECTRICAL HEATING | DIMENSIONS(H/W/D) | 123*75*43(MM)             |
| STANDBY POWER  | <0.5W / <3W ( WIFI )       | WIRE DIAMETER     | <2.5MM <sup>2</sup>       |
| SETTING RANGE  | 5~40°C                     | GFCI              | CLASS A ( 5MA TRIP LEVEL) |
| APPROVAL       | ETL / FCC                  | WARRANTY          | 2 YEARS                   |



## ET-72 <sup>AU</sup>

### Adapt to the Australian market Electric Heating Thermostat

An intelligently programmable thermostat used to control electric underfloor heating systems. Install the free app on your smartphone for remote control via WiFi, maintaining comfortable temperatures while minimizing energy use.

#### HIGHLIGHTS



Adaptive function



Window opening detection



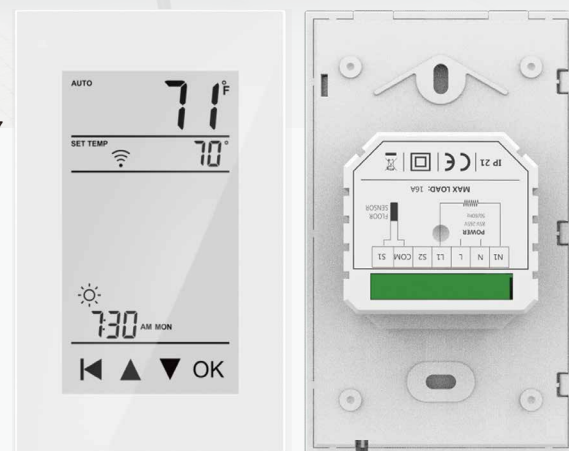
Glass touch panel



4.0 inch

#### KEY FEATURES

- 4.0 inch HD VA display screen
- Auto/Hold/Frost mode
- Key-lock
- Anti-frozen
- Floor temperature limit
- Sensor selection
- Weekly programmable 5+1+1/7 with 4-event per day
- Open windows detection
- Adaptive function
- APP remote access



#### TECHNICAL PARAMETERS

|                |                            |                   |                       |
|----------------|----------------------------|-------------------|-----------------------|
| SUPPLY VOLTAGE | 85-265 VAC 50/60 HZ        | IP RATING         | IP21                  |
| MAX LOAD       | 15A FOR ELECTRICAL HEATING | DIMENSIONS(H/W/D) | 123*75*43(MM)         |
| STANDBY POWER  | <0.5W / <3W ( WIFI )       | WIRE DIAMETER     | <2.5MM <sup>2</sup>   |
| SETTING RANGE  | 5~40°C                     | COLOR             | WHITE & CUSTOMIZATION |
| APPROVAL       | CE / SAA / EAC             | WARRANTY          | 2 YEARS               |



## ET-85

### Electric Heating Thermostat

An intelligently programmable thermostat for electric underfloor or water-based heating systems. Maintains comfort while optimizing energy efficiency. Offers remote control via a dedicated smartphone app over Wi-Fi.

## ET-85 <sup>AU</sup>

### Adapt to the Australian market

#### HIGHLIGHTS



Patented magnetic connection



Compatible with multiple frames

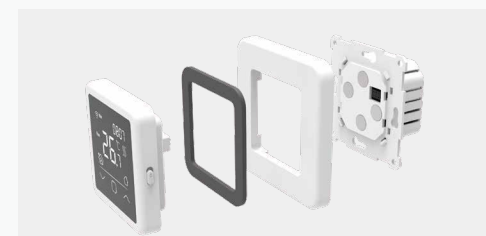


Compatible with multiple Sensor



#### KEY FEATURES

- HD VA display screen
- Patented magnetic connection
- Mechanical on/off switch
- Fit in 26+ different frame type
- Support 2 remote sensor connection
- Startup Wizard
- Home/office location optional
- Auto/Manual/Anti-frozen mode
- Key-lock
- Weekly programmable 5+1+1/7 with 4-event per day
- Floor temperature limit
- Sensor selection
- ReadoutOpen window detection
- Adaptive function
- APP remote access



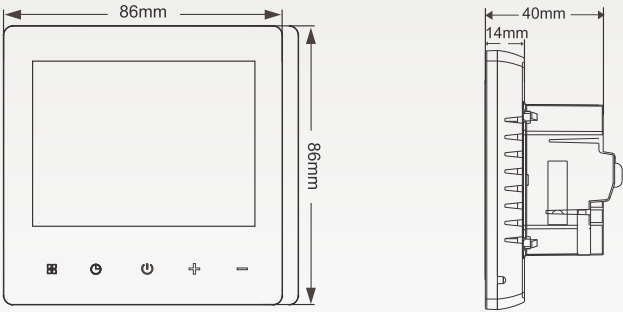
#### TECHNICAL PARAMETERS

|                |                                                  |                   |                     |
|----------------|--------------------------------------------------|-------------------|---------------------|
| SUPPLY VOLTAGE | 85-265 VAC 50/60 HZ                              | IP RATING         | IP21                |
| MAX LOAD       | 16A FOR ELECTRICAL HEATING, 3A FOR WATER HEATING | DIMENSIONS(H/W/D) | 86*86*45(MM)        |
| STANDBY POWER  | <0.5W / <3W ( WIFI )                             | WIRE DIAMETER     | <2.5MM <sup>2</sup> |
| SETTING RANGE  | 5~40°C                                           | COLOR             | WHITE & BLACK...    |
| APPROVAL       | CE / UKCA / EAC / RED                            | WARRANTY          | 2 YEARS             |

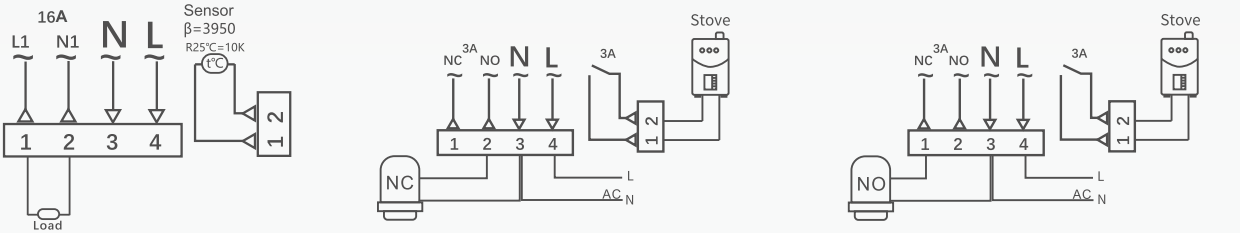
JH-81

Electric/Water heating thermostat

DIMENSIONS



WIRING DIAGRAM



Electric Heating Wiring Diagram    Plumbing Normally Closed Valve Wiring Diagram    Plumbing Normally Open Valve Wiring Diagram

| Model                                    | Display Mode | Color       | Note                                            |
|------------------------------------------|--------------|-------------|-------------------------------------------------|
| JH-81EH-WiFi、ME81WH-WiFi                 | LCD          | Black、White | Suitable for electric heating and water heating |
| JH-81D-EH-WiFi                           | LCD          | White       | Suitable for electric heating                   |
| JH-81H-EH-WiFi、ME81H-WH-WiFi             | LCD          | Black、White |                                                 |
| JH-81(LED)EH-01-WiFi、ME81(LED)WH-01-WiFi | LED          | Black、White | Suitable for electric heating and water heating |
| JH-81(LED)EH-02-WiFi、ME81(LED)WH-02-WiFi | LED          | Black、White |                                                 |



JH81D



JH81LED-01



JH81LED-02



JH81H

ELECTRICAL SPECIFICATIONS

|                      |                                                  |                                 |               |
|----------------------|--------------------------------------------------|---------------------------------|---------------|
| POWER SUPPLY         | AC85-250V,50/60 HZ                               | TEMPERATURE SENSOR              | NTC10K(β3950) |
| TEMPERATURE ACCURACY | ±0.5℃                                            | WORKING ENVIRONMENT TEMPERATURE | 0℃~50℃        |
| CONSUMPTION POWER    | <2W                                              | TEMPERATURE SETTINGS            | 5℃~70℃        |
| DISPLAY RANGE        | 0℃~92℃                                           | STORAGE AMBIENT TEMPERATURE     | -10℃~60℃      |
| ELECTRIC CURRENT     | 16A FOR ELECTRICAL HEATING, 3A FOR WATER HEATING | PROTECTION LEVEL                | IP20          |

PRODUCT DESIGN EXECUTION STANDARDS CE



JH82A



JH82B



JH82C



JH82LED-01

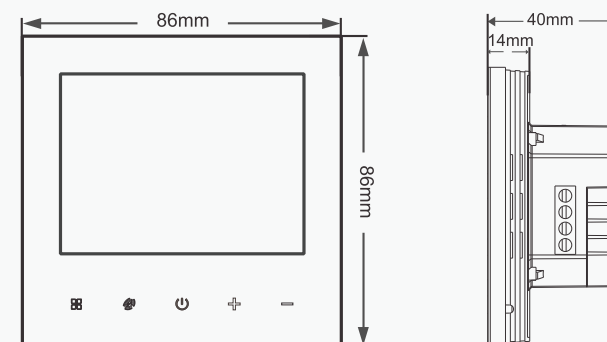


JH82LED-02

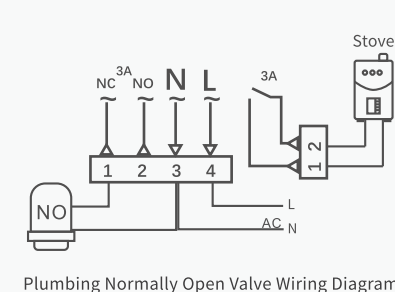
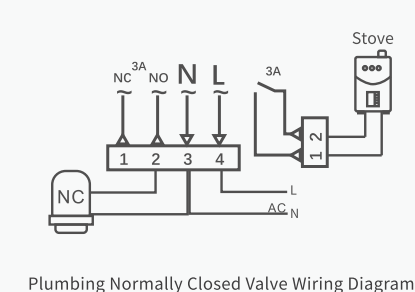
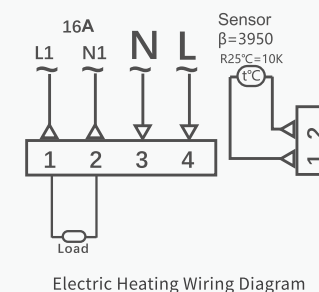
# JH-82

Electric/Water heating thermostat

## DIMENSIONS



## WIRING DIAGRAM



## ELECTRICAL SPECIFICATIONS

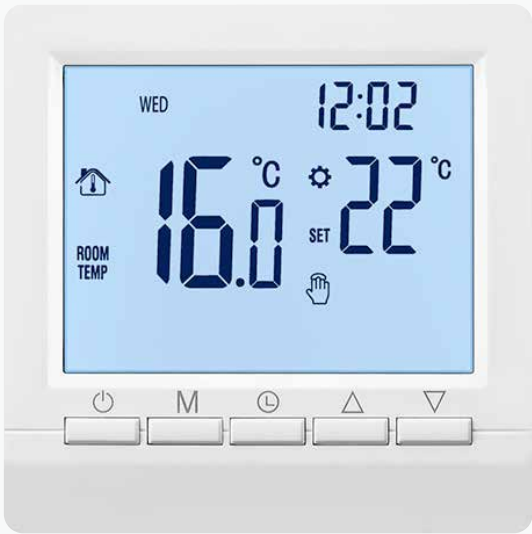
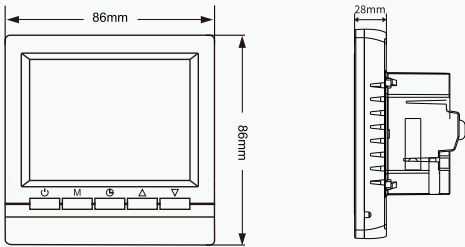
| Model                                     | Display Mode | Color       | Note                                    |
|-------------------------------------------|--------------|-------------|-----------------------------------------|
| JH-82(LED)EH-01-WiFi、ME82(LED)WH-01-WiF   | LED          | Black、White | Suitable for electric and water heating |
| JH-82(LED)EH-02-WiFi、ME82(LED) WH-02-WiFi | LED          | Black、White | Suitable for electric and water heating |
| JH-82A EH-WiFi、ME82A WH-WiFi              | LCD          | Black、White | Suitable for electric and water heating |
| JH-82B EH-WiFi、ME82B WH-WiFi              | LCD          | Black、White | Suitable for electric and water heating |
| JH-82C EH-WiFi、ME82C WH-WiFi              | LCD          | Black、White | Suitable for electric and water heating |

|                                    |                                                  |                                 |               |
|------------------------------------|--------------------------------------------------|---------------------------------|---------------|
| POWER SUPPLY                       | AC85-250V,50/60 HZ                               | TEMPERATURE SENSOR              | NTC10K(B3950) |
| TEMPERATURE ACCURACY               | ±0.5°C                                           | WORKING ENVIRONMENT TEMPERATURE | 0°C~50°C      |
| CONSUMPTION POWER                  | <2W                                              | TEMPERATURE SETTINGS            | 5°C~70°C      |
| DISPLAY RANGE                      | 0°C~92°C                                         | STORAGE AMBIENT TEMPERATURE     | -10°C~60°C    |
| ELECTRIC CURRENT                   | 16A FOR ELECTRICAL HEATING, 3A FOR WATER HEATING | PROTECTION LEVEL                | IP20          |
| PRODUCT DESIGN EXECUTION STANDARDS | CE                                               |                                 |               |

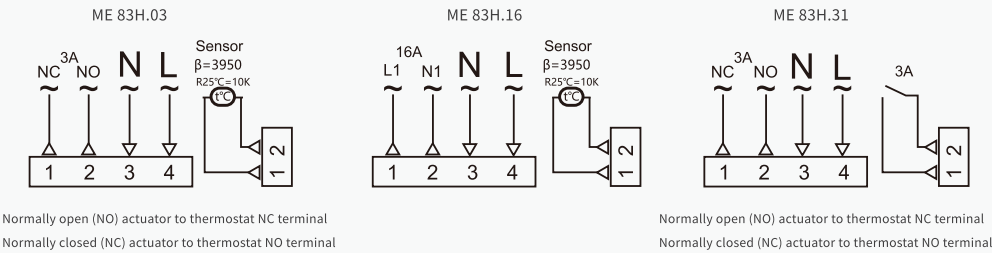
JH-83

Electric/Water heating thermostat

DIMENSIONS



WIRING DIAGRAM



| Model        | Display Mode | Color | Note                          |
|--------------|--------------|-------|-------------------------------|
| JH-83EH-WiFi | LCD          | White | Suitable for electric heating |
| JH-83WH-WiFi | LCD          | White | Suitable for water heating    |
| JH-83WS      | LCD          | White | Suitable for boilers          |

ELECTRICAL SPECIFICATIONS

|                      |                                                     |                                 |               |
|----------------------|-----------------------------------------------------|---------------------------------|---------------|
| POWER SUPPLY         | AC85-250V,50/60 HZ                                  | TEMPERATURE SENSOR              | NTC10K(β3950) |
| TEMPERATURE ACCURACY | ±1°C                                                | WORKING ENVIRONMENT TEMPERATURE | 0°C~50°C      |
| CONSUMPTION POWER    | <2W                                                 | TEMPERATURE SETTINGS            | 5°C~90°C      |
| DISPLAY RANGE        | 0°C~92°C                                            | STORAGE AMBIENT TEMPERATURE     | -10°C~60°C    |
| ELECTRIC CURRENT     | 16A FOR ELECTRICAL HEATING,<br>3A FOR WATER HEATING | PROTECTION LEVEL                | IP20          |

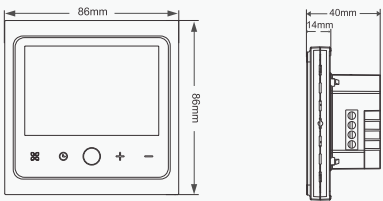
PRODUCT DESIGN EXECUTION STANDARDS CE

JH-86

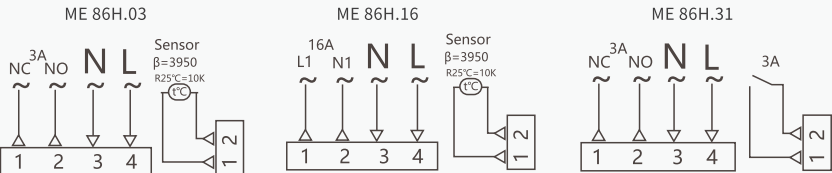
Electric/Water heating thermostat



DIMENSIONS



WIRING DIAGRAM



| Model                    | Display Mode | Color       | Note                          |
|--------------------------|--------------|-------------|-------------------------------|
| JH-86EH-WiFi/ME86-Zigbee | LCD          | Black、White | Suitable for electric heating |
| JH-86WH-WiFi/ME86-Zigbee | LCD          | Black、White | Suitable for water heating    |

ELECTRICAL SPECIFICATIONS

|                      |                                                     |                                 |               |
|----------------------|-----------------------------------------------------|---------------------------------|---------------|
| POWER SUPPLY         | AC85-250V,50/60 HZ                                  | TEMPERATURE SENSOR              | NTC10K(β3950) |
| TEMPERATURE ACCURACY | ±1°C                                                | WORKING ENVIRONMENT TEMPERATURE | 0°C~50°C      |
| CONSUMPTION POWER    | <2W                                                 | TEMPERATURE SETTINGS            | 5°C~95°C      |
| DISPLAY RANGE        | 0°C~92°C                                            | STORAGE AMBIENT TEMPERATURE     | -10°C~60°C    |
| ELECTRIC CURRENT     | 16A FOR ELECTRICAL HEATING,<br>3A FOR WATER HEATING | PROTECTION LEVEL                | IP20          |

PRODUCT DESIGN EXECUTION STANDARDS CE

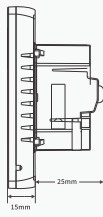
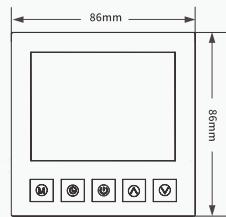
JH-88

Electric/Water heating thermostat

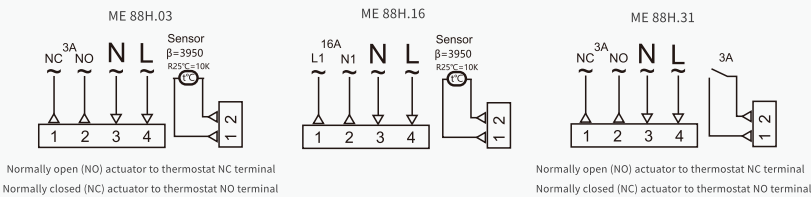


| Model        | Display Mode | Color | Note                          |
|--------------|--------------|-------|-------------------------------|
| JH-88EH-WiFi | LCD          | White | Suitable for electric heating |
| JH-88WH-WiFi | LCD          | White | Suitable for water heating    |

DIMENSIONS



WIRING DIAGRAM



ELECTRICAL SPECIFICATIONS

|                      |                                                     |                                 |               |
|----------------------|-----------------------------------------------------|---------------------------------|---------------|
| POWER SUPPLY         | AC85-250V,50/60 HZ                                  | TEMPERATURE SENSOR              | NTC10K(β3950) |
| TEMPERATURE ACCURACY | ±1°C                                                | WORKING ENVIRONMENT TEMPERATURE | 0°C~50°C      |
| CONSUMPTION POWER    | < 2W                                                | TEMPERATURE SETTINGS            | 5°C~95°C      |
| DISPLAY RANGE        | 0°C~92°C                                            | STORAGE AMBIENT TEMPERATURE     | -10°C~60°C    |
| ELECTRIC CURRENT     | 16A FOR ELECTRICAL HEATING,<br>3A FOR WATER HEATING | PROTECTION LEVEL                | IP20          |

PRODUCT DESIGN EXECUTION STANDARDS CE

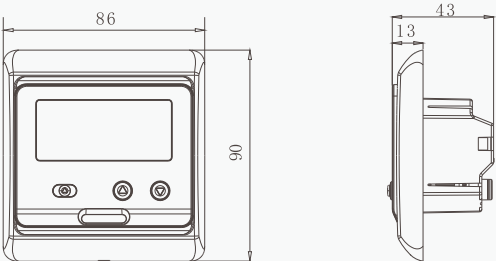
JH-668

Electric/Water heating thermostat

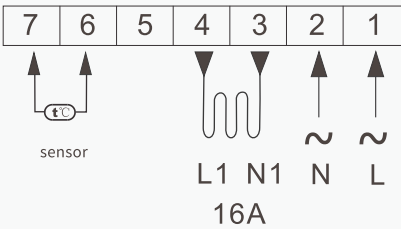


JH668H

DIMENSIONS



WIRING DIAGRAM



| Model | Display Mode | Color | Note |
|-------|--------------|-------|------|
|-------|--------------|-------|------|

|         |     |       |                                                 |
|---------|-----|-------|-------------------------------------------------|
| JH-668H | LCD | White | Suitable for electric heating and water heating |
|---------|-----|-------|-------------------------------------------------|

ELECTRICAL SPECIFICATIONS

|                      |                                                     |                                 |               |
|----------------------|-----------------------------------------------------|---------------------------------|---------------|
| POWER SUPPLY         | AC85-250V,50/60 HZ                                  | TEMPERATURE SENSOR              | NTC10K(β3950) |
| TEMPERATURE ACCURACY | ±1°C                                                | WORKING ENVIRONMENT TEMPERATURE | -5°C~50°C     |
| CONSUMPTION POWER    | < 2W                                                | TEMPERATURE SETTINGS            | 5°C~90°C      |
| DISPLAY RANGE        | 0°C~99°C                                            | STORAGE AMBIENT TEMPERATURE     | -10°C~60°C    |
| ELECTRIC CURRENT     | 16A FOR ELECTRICAL HEATING,<br>3A FOR WATER HEATING | PROTECTION LEVEL                | IP20          |

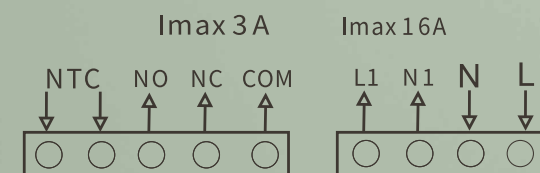
PRODUCT DESIGN EXECUTION STANDARDS CE

# JH-901

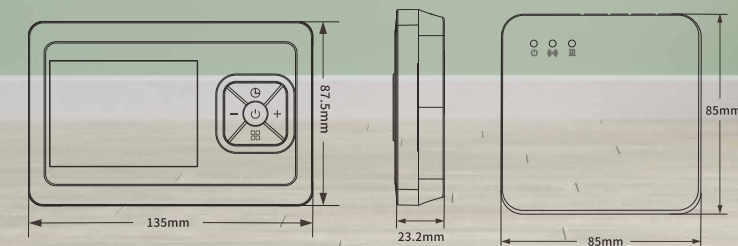
Electric/Water heating thermostat

## WIRING DIAGRAM

85~250VAC 50/60Hz



## DIMENSIONS



| Model              | Display Mode | Color | Note                                                     |
|--------------------|--------------|-------|----------------------------------------------------------|
| JH-901WS-7-RF-WiFi | LCD          | White | Suitable for electric heating, water heating and boilers |

## ELECTRICAL SPECIFICATIONS

|                                    |                                                      |                                 |                           |
|------------------------------------|------------------------------------------------------|---------------------------------|---------------------------|
| POWER SUPPLY                       | AC85~250V,50/60Hz, 2X1.5V AAA BATTERIES, USB(TYPA-C) | TEMPERATURE SENSOR              | NTC10K(β3950)             |
| TEMPERATURE ACCURACY               | ±1°C                                                 | WORKING ENVIRONMENT TEMPERATURE | 0°C~50°C                  |
| CONSUMPTION POWER                  | <2W                                                  | TEMPERATURE SETTINGS            | 5°C~90°C                  |
| DISPLAY RANGE                      | 0°C~90°C                                             | STORAGE AMBIENT TEMPERATURE     | -10°C~60°C                |
| ELECTRIC CURRENT                   | 16A FOR ELECTRICAL HEATING, 3A FOR WATER HEATING     | PROTECTION LEVEL                | IP20                      |
| WIRELESS TRANSMISSION DISTANCE     | WITHIN 100M OF OPEN DISTANCE                         | RADIO FREQUENCY                 | 868MHZ(BIDIRECTIONAL FSK) |
| PRODUCT DESIGN EXECUTION STANDARDS | CE                                                   |                                 |                           |

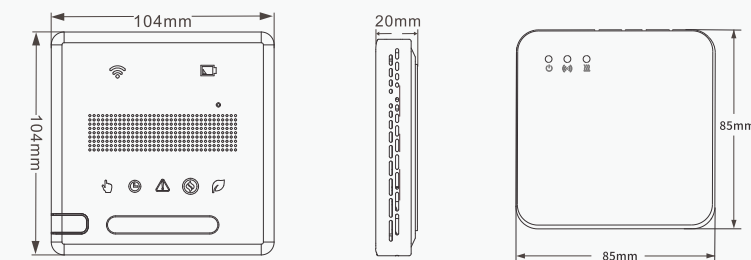
# JH-902

Electric/Water heating thermostat



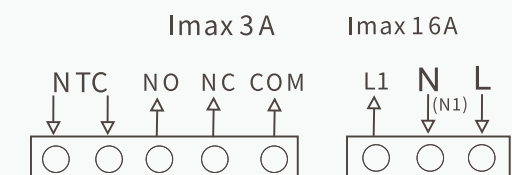
| Model                | Display Mode | Color | Note                                                     |
|----------------------|--------------|-------|----------------------------------------------------------|
| JH-902WS.7.RF.Zigbee | LED          | White | Suitable for electric heating, water heating and boilers |
| JH-902WS.7.RF.WiFi   | LED          | White | Suitable for electric heating, water heating and boilers |

## DIMENSIONS



## WIRING DIAGRAM

85~250VAC 50/60Hz



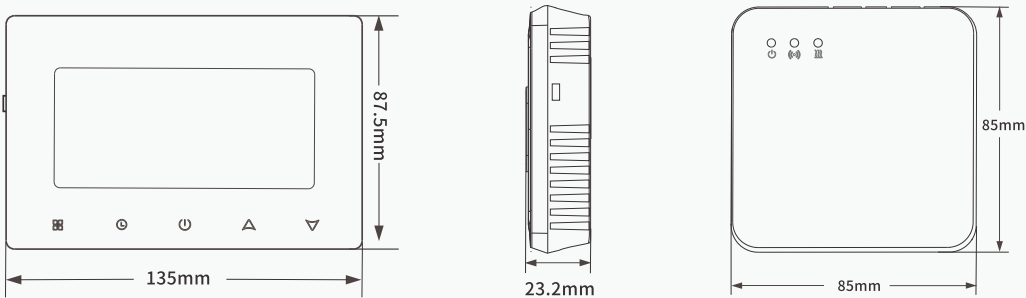
## ELECTRICAL SPECIFICATIONS

|                                    |                                                  |                                 |                           |
|------------------------------------|--------------------------------------------------|---------------------------------|---------------------------|
| POWER SUPPLY                       | 4X1.5V AAA BATTERIES, TYPA-C                     | TEMPERATURE SENSOR              | NTC10K(β3950)             |
| TEMPERATURE ACCURACY               | ±0.5°C                                           | WORKING ENVIRONMENT TEMPERATURE | 0°C~50°C                  |
| CONSUMPTION POWER                  | <2W                                              | TEMPERATURE SETTINGS            | 5°C~70°C                  |
| DISPLAY RANGE                      | 5°C~70°C                                         | STORAGE AMBIENT TEMPERATURE     | -10°C~60°C                |
| ELECTRIC CURRENT                   | 16A FOR ELECTRICAL HEATING, 3A FOR WATER HEATING | PROTECTION LEVEL                | IP20                      |
| WIRELESS TRANSMISSION DISTANCE     | WITHIN 100M OF OPEN DISTANCE                     | RADIO FREQUENCY                 | 868MHZ(BIDIRECTIONAL FSK) |
| PRODUCT DESIGN EXECUTION STANDARDS | CE                                               |                                 |                           |

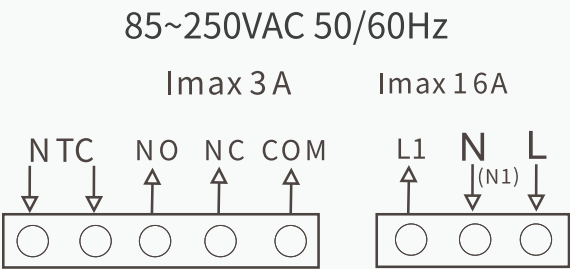
JH-98

Electric/Water heating thermostat

DIMENSIONS



WIRING DIAGRAM



| Model           | Display Mode | Color       | Note                                                     |
|-----------------|--------------|-------------|----------------------------------------------------------|
| JH-98WS-RF-WiFi | LCD          | Black、White | Suitable for electric heating, water heating and boilers |

ELECTRICAL SPECIFICATIONS

|                                       |                                                    |                                 |                           |
|---------------------------------------|----------------------------------------------------|---------------------------------|---------------------------|
| POWER SUPPLY                          | AC85~250V,50/60HZ、2X1.5V AAA BATTERIES、USB(TYPA-C) | TEMPERATURE SENSOR              | NTC10K(β3950)             |
| TEMPERATURE ACCURACY                  | ±0.5℃                                              | WORKING ENVIRONMENT TEMPERATURE | 0℃~50℃                    |
| CONSUMPTION POWER                     | <2W                                                | TEMPERATURE SETTINGS            | 5℃~70℃                    |
| DISPLAY RANGE                         | 0℃~90℃                                             | STORAGE AMBIENT TEMPERATURE     | -10℃~60℃                  |
| ELECTRIC CURRENT                      | 16A FOR ELECTRICAL HEATING, 3A FOR WATER HEATING   | PROTECTION LEVEL                | IP20                      |
| WIRELESS TRANSMISSION DISTANCE        | WITHIN 100M OF OPEN DISTANCE                       | RADIO FREQUENCY                 | 868MHZ(BIDIRECTIONAL FSK) |
| PRODUCT DESIGN EXECUTION STANDARDS CE |                                                    |                                 |                           |



JH-001B

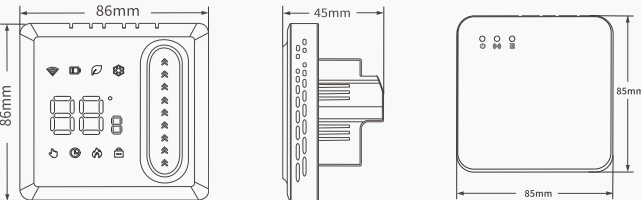
Electric/Water heating thermostat



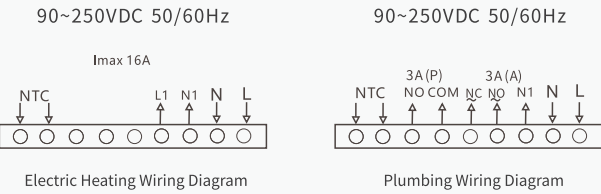
| Model | Display Mode | Color | Note |
|-------|--------------|-------|------|
|-------|--------------|-------|------|

|              |     |       |                                                          |
|--------------|-----|-------|----------------------------------------------------------|
| JH-001B-WiFi | LED | White | Suitable for electric heating, water heating and boilers |
|--------------|-----|-------|----------------------------------------------------------|

DIMENSIONS



WIRING DIAGRAM

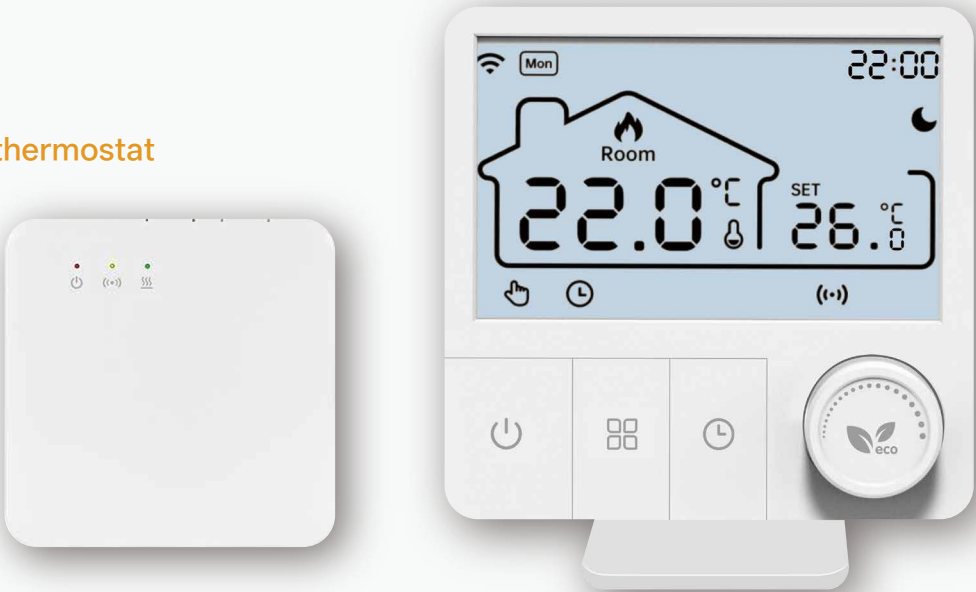


ELECTRICAL SPECIFICATIONS

|                                    |                                                  |                                 |                           |
|------------------------------------|--------------------------------------------------|---------------------------------|---------------------------|
| POWER SUPPLY                       | 3x1.5V AAA BATTERIES                             | TEMPERATURE SENSOR              | NTC10K(β3950)             |
| TEMPERATURE ACCURACY               | ±0.5℃                                            | WORKING ENVIRONMENT TEMPERATURE | 0℃~50℃                    |
| CONSUMPTION POWER                  | <2W                                              | TEMPERATURE SETTINGS            | 5℃~70℃                    |
| DISPLAY RANGE                      | 0℃~90℃                                           | STORAGE AMBIENT TEMPERATURE     | -10℃~60℃                  |
| ELECTRIC CURRENT                   | 16A FOR ELECTRICAL HEATING, 3A FOR WATER HEATING | PROTECTION LEVEL                | IP20                      |
| WIRELESS TRANSMISSION DISTANCE     | WITHIN 100M OF OPEN DISTANCE                     | RADIO FREQUENCY                 | 868MHZ(BIDIRECTIONAL FSK) |
| PRODUCT DESIGN EXECUTION STANDARDS | CE                                               |                                 |                           |

JH-002

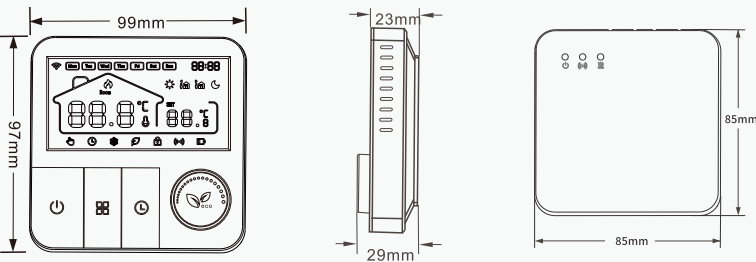
Electric/Water heating thermostat



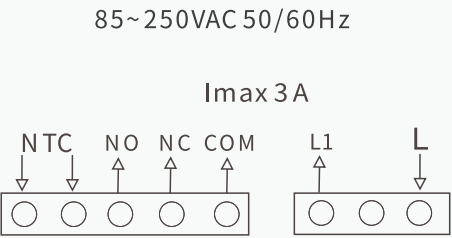
| Model | Display Mode | Color | Note |
|-------|--------------|-------|------|
|-------|--------------|-------|------|

|                  |     |       |                                                          |
|------------------|-----|-------|----------------------------------------------------------|
| JH-002WS-RF-WiFi | LCD | White | Suitable for electric heating, water heating and boilers |
| JH-002WS-WiFi    | LCD | White | Suitable for boilers                                     |

DIMENSIONS



SYSTEM DIAGRAM



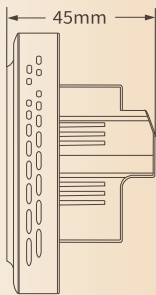
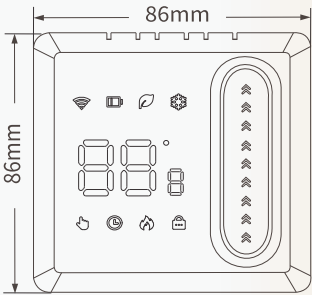
ELECTRICAL SPECIFICATIONS

|                                    |                                                  |                                 |                           |
|------------------------------------|--------------------------------------------------|---------------------------------|---------------------------|
| POWER SUPPLY                       | AC85~250V,50/60HZ. 3x1.5V AAA BATTERIES、TYPE-C   | TEMPERATURE SENSOR              | NTC10K(β3950)             |
| TEMPERATURE ACCURACY               | ±0.5℃                                            | WORKING ENVIRONMENT TEMPERATURE | 0℃~50℃                    |
| CONSUMPTION POWER                  | <2W                                              | TEMPERATURE SETTINGS            | 5℃~70℃                    |
| DISPLAY RANGE                      | 0℃~90℃                                           | STORAGE AMBIENT TEMPERATURE     | -10℃~60℃                  |
| ELECTRIC CURRENT                   | 16A FOR ELECTRICAL HEATING, 3A FOR WATER HEATING | PROTECTION LEVEL                | IP20                      |
| WIRELESS TRANSMISSION DISTANCE     | WITHIN 100M OF OPEN DISTANCE                     | RADIO FREQUENCY                 | 868MHZ(BIDIRECTIONAL FSK) |
| PRODUCT DESIGN EXECUTION STANDARDS | CE                                               |                                 |                           |

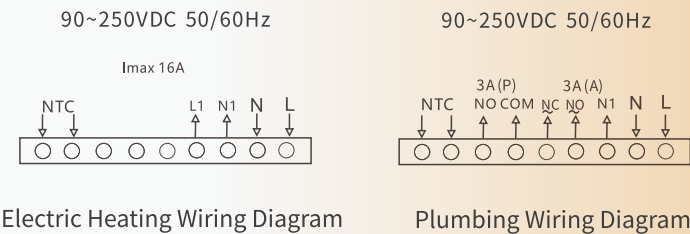
JH-001A

Electric/Water heating thermostat

DIMENSIONS



WIRING DIAGRAM



| Model | Display Mode | Color | Note |
|-------|--------------|-------|------|
|-------|--------------|-------|------|

|              |     |       |                                                 |
|--------------|-----|-------|-------------------------------------------------|
| JH-001A-WiFi | LED | White | Suitable for electric heating and water heating |
|--------------|-----|-------|-------------------------------------------------|

ELECTRICAL SPECIFICATIONS

|                      |                                                  |                                 |               |
|----------------------|--------------------------------------------------|---------------------------------|---------------|
| POWER SUPPLY         | AC85~250V,50/60Hz                                | TEMPERATURE SENSOR              | NTC10K(β3950) |
| TEMPERATURE ACCURACY | ±0.5℃                                            | WORKING ENVIRONMENT TEMPERATURE | 0℃~50℃        |
| CONSUMPTION POWER    | <2W                                              | TEMPERATURE SETTINGS            | 5℃~70℃        |
| DISPLAY RANGE        | 0℃~90℃                                           | STORAGE AMBIENT TEMPERATURE     | -10℃~60℃      |
| ELECTRIC CURRENT     | 16A FOR ELECTRICAL HEATING, 3A FOR WATER HEATING | PROTECTION LEVEL                | IP20          |

PRODUCT DESIGN EXECUTION STANDARDS CE

JH-108

Electric/Water heating thermostat

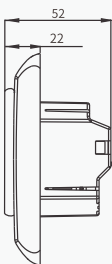
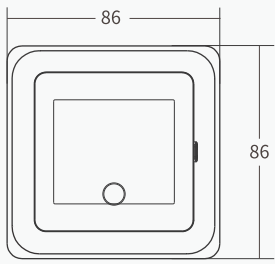


JH108H

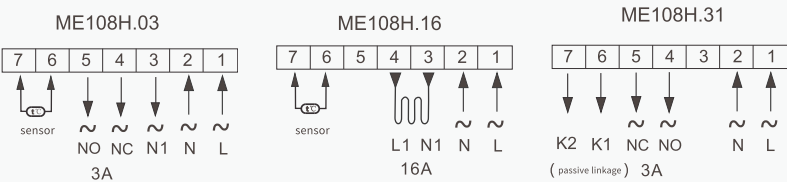
| Model | Display Mode | Color | Note |
|-------|--------------|-------|------|
|-------|--------------|-------|------|

|              |     |       |                                                 |
|--------------|-----|-------|-------------------------------------------------|
| JH-108H-WiFi | LCD | White | Suitable for electric heating and water heating |
|--------------|-----|-------|-------------------------------------------------|

DIMENSIONS



WIRING DIAGRAM



ELECTRICAL SPECIFICATIONS

|                      |                                                  |                                 |               |
|----------------------|--------------------------------------------------|---------------------------------|---------------|
| POWER SUPPLY         | AC85-250V,50/60 HZ                               | TEMPERATURE SENSOR              | NTC10K(β3950) |
| TEMPERATURE ACCURACY | ±1℃                                              | WORKING ENVIRONMENT TEMPERATURE | -5℃~50℃       |
| CONSUMPTION POWER    | <2W                                              | TEMPERATURE SETTINGS            | 5℃~95℃        |
| DISPLAY RANGE        | 0℃~99℃                                           | STORAGE AMBIENT TEMPERATURE     | -10℃~60℃      |
| ELECTRIC CURRENT     | 16A FOR ELECTRICAL HEATING, 3A FOR WATER HEATING | PROTECTION LEVEL                | IP20          |

PRODUCT DESIGN EXECUTION STANDARDS CE

ET-7A



## COLOR SCREEN SERIES AND WIFI SERIES

An intelligently programmable thermostat for electric underfloor heating, controllable remotely via Wi-Fi. The North American version features GFCI protection and a color touchscreen; the Australian version is tailored for that market.



3.5-inch



High-resolution



Touch  
color screen

### KEY FEATURES

- Auto/Manual/Away mode
- Brightness adjustable.
- Weekly programmable 5+1+1/7 with 4-event per day
- Energy use
- Multilingual switching
- ★ External independent control module:

If an electric floor heating cable or mat system requires more than 15 Amps, install a power module.

### TECHNICAL PARAMETERS

|                |                            |                   |                           |
|----------------|----------------------------|-------------------|---------------------------|
| SUPPLY VOLTAGE | 120/208/240 Vac 50/60 Hz   | IP RATING         | IP21                      |
| MAX LOAD       | 15A FOR ELECTRICAL HEATING | DIMENSIONS(H/W/D) | 130*81.5*50(MM)           |
| STANDBY POWER  | <0.5W / <3W(WIFI )         | WIRE DIAMETER     | <2.5MM <sup>2</sup>       |
| SETTING RANGE  | 5~40°C                     | GFCI              | CLASSA ( 5MA TRIP LEVEL ) |
| APPROVAL       | FCC / ETL                  | WIFI MODULE       | 2.4G+5G                   |





## ET-7A

Adapt to the Australian market

- Multiple sensor type compatible
- Open window detection
- Adaptive function
- APP remote access
- 2.4+5G Wifi
- Weather function
- ★ GFCI protection

★ The feature is only available on the ET-7A



2.4+5G



Weather function



Glass touch panel

### Electric Heating Thermostat



|                |                                                 |                   |                     |
|----------------|-------------------------------------------------|-------------------|---------------------|
| SUPPLY VOLTAGE | 85-265 VAC 50/60 HZ                             | IP RATING         | IP21                |
| MAX LOAD       | 16A FOR ELECTRICAL HEATING,3A FOR WATER HEATING | DIMENSIONS(H/W/D) | 123*75*40(MM)       |
| STANDBY POWER  | <0.5W / <3W ( WIFI )                            | WIRE DIAMETER     | <2.5MM <sup>2</sup> |
| SETTING RANGE  | 5~40°C                                          | COLOR             | WHITE & BLACK...    |
| APPROVAL       | CE                                              | WARRANTY          | 2 YEARS             |



## ET-82

Electric Heating Thermostat

### HIGHLIGHTS



Touch color screen



4.2-inch



Multiple language



Minimal UI interface

An intelligently programmable thermostat for electric underfloor or water-based heating systems. Maintains optimal comfort and efficiency, with remote management capabilities via Wi-Fi and a smartphone app.



### MAIN FEATURES

- Large touch color screen
- Auto/Manual/Holiday mode
- Brightness adjustable
- Open window detection
- Anti-frozen
- Floor temperature limit
- Energy use.
- Multiple sensor type compatible
- Weekly programmable 5+1+1/7 with 4-event per day
- Adaptive function
- APP remote access

### TECHNICAL PARAMETERS

|                |                                                 |                   |                     |
|----------------|-------------------------------------------------|-------------------|---------------------|
| SUPPLY VOLTAGE | 85-265 VAC 50/60 HZ                             | IP RATING         | IP21                |
| MAX LOAD       | 16A FOR ELECTRICAL HEATING,3A FOR WATER HEATING | DIMENSIONS(H/W/D) | 136*94*41(MM)       |
| STANDBY POWER  | <0.5W / <3W ( WIFI )                            | WIRE DIAMETER     | <2.5MM <sup>2</sup> |
| SETTING RANGE  | 5~40°C                                          | COLOR             | WHITE & BLACK...    |
| APPROVAL       | CE / UKCA / RED / SAA / EAC                     | WARRANTY          | 2 YEARS             |



# ET-84

## Electric Heating Thermostat

An intelligent thermostat for electric under-floor heating or water heating systems. Maintains home comfort efficiently and allows remote management via Wi-Fi and a smart-phone application.

### KEY FEATURES

- 2.8 inch color screen
- Auto/Hold/Holiday mode
- Key-lock
- Brightness adjustable
- Anti-frozen
- Floor temperature limit
- Sensor selection
- Weekly programmable 5+1+1/7
- with 4-event per day
- Open window detection
- Adaptive function
- Multiple language
- APP remote access
- Energy use



ET-84

### SHINING POINT



Touch color screen



2.8-inch



Multiple language

### TECHNICAL PARAMETERS

|                |                                                 |                   |                     |
|----------------|-------------------------------------------------|-------------------|---------------------|
| SUPPLY VOLTAGE | 85-265 VAC 50/60 HZ                             | IP RATING         | IP21                |
| MAX LOAD       | 16A FOR ELECTRICAL HEATING,3A FOR WATER HEATING | DIMENSIONS(H/W/D) | 86*86*42(MM)        |
| STANDBY POWER  | <0.5W / <3W (WIFI )                             | WIRE DIAMETER     | <2.5MM <sup>2</sup> |
| SETTING RANGE  | 5~40°C                                          | COLOR             | WHITE & BLACK...    |
| APPROVAL       | CE / UKCA / EAC / RED                           | WARRANTY          | 2 YEARS             |



# ET-8B

## Electric Heating Thermostat

- Multiple sensor type compatible
- Open window detection
- Adaptive function
- APP remote access
- Room/Floor sensor selection
- Weather function
- Magnetic installation mode
- Auto/Manual/Holiday/Frost/Slow/Boost
- Brightness adjustable.
- Weekly programmable 5+1+1/7/24h
- with 3-event per day
- Energy use
- Multilingual switching
- English/Magyar/Polski/Russian/Nederlands/Deutsch

WHITE



BLACK

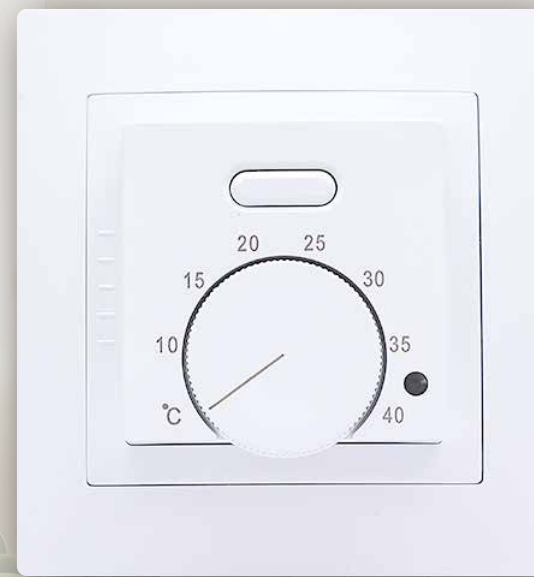


### TECHNICAL PARAMETERS

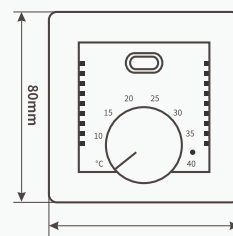
|                |                            |                   |                     |
|----------------|----------------------------|-------------------|---------------------|
| SUPPLY VOLTAGE | 85-265 VAC 50/60 HZ        | SETBACK           | 2-8°C               |
| MAX LOAD       | 16A FOR ELECTRICAL HEATING | DIMENSIONS(H/W/D) | 86*86*50(MM)        |
| STANDBY POWER  | <0.5W / <3W(WIFI )         | WIRE DIAMETER     | <2.5MM <sup>2</sup> |
| SETTING RANGE  | 5~+40°C                    | SENSOR TYPE       | NTC 3950 10K 1%     |
| APPROVAL       | CE / UKCA                  | NUMBER OF SENSORS | ROOM+FLOOR          |
| TOLERANCE      | 0.5-2°C                    |                   |                     |

# JH-87

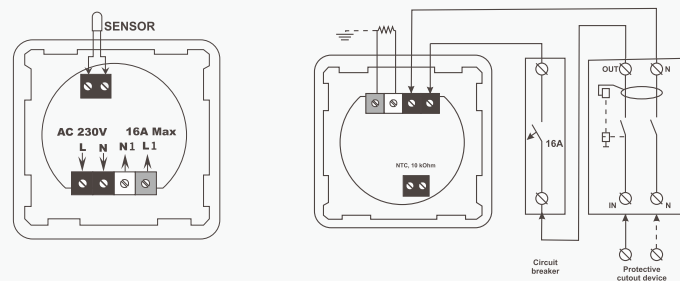
Electric heating thermostat



## DIMENSIONS



## WIRING DIAGRAM



## ELECTRICAL SPECIFICATIONS

|                                    |                                                    |                                 |               |
|------------------------------------|----------------------------------------------------|---------------------------------|---------------|
| POWER SUPPLY                       | AC85-250V,50/60 HZ                                 | TEMPERATURE SENSOR              | NTC10K(β3950) |
| TEMPERATURE ACCURACY               | ±1°C                                               | WORKING ENVIRONMENT TEMPERATURE | -5°C~50°C     |
| CONSUMPTION POWER                  | < 2W                                               | TEMPERATURE SETTINGS            | 5°C~40°C      |
| DISPLAY RANGE                      | 0°C~92°C                                           | STORAGE AMBIENT TEMPERATURE     | -10°C~60°C    |
| ELECTRIC CURRENT                   | 16A FOR ELECTRICAL HEATING<br>3A FOR WATER HEATING | PROTECTION LEVEL                | IP20          |
| PRODUCT DESIGN EXECUTION STANDARDS | CE                                                 |                                 |               |

# ET-91

Electric Heating Thermostat

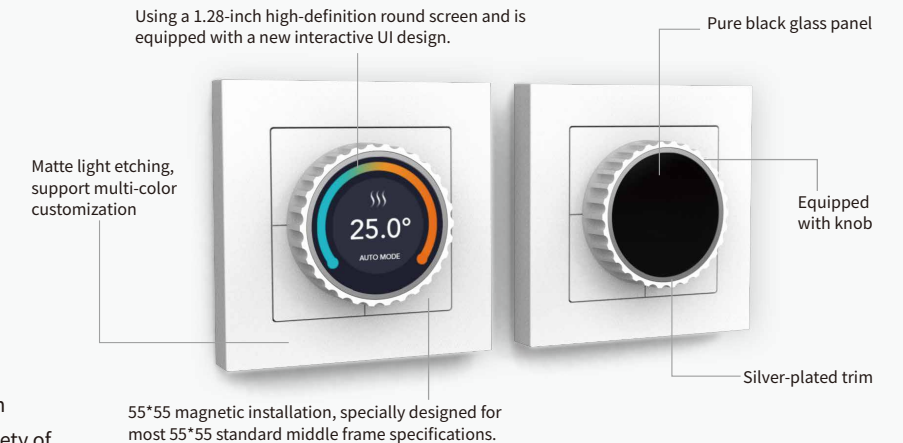
## HIGHLIGHTS

- Brand-new UI design, more intuitive operation
- 55\*55 magnetic installation, suitable for a variety of middle frame sizes
- Energy consumption curve display and monthly statistics function in the APP
- Support OTA remote upgrade, continuous optimization experience
- Infinitely variable gear knob, more precise and flexible adjustment
- Automatic detection of load power, safer and more worry-free
- Real-time weather display, making temperature control more intimate

## TECHNICAL PARAMETERS

|                |                                                 |                   |                     |
|----------------|-------------------------------------------------|-------------------|---------------------|
| SUPPLY VOLTAGE | 85-265 VAC 50/60 HZ                             | IP RATING         | IP31                |
| MAX LOAD       | 16A FOR ELECTRICAL HEATING,3A FOR WATER HEATING | DIMENSIONS(H/W/D) | 86*86*45(MM)        |
| STANDBY POWER  | <0.5W / <3W ( WIFI)                             | WIRE DIAMETER     | <2.5MM <sup>2</sup> |
| SETTING RANGE  | 5~40°C                                          | COLOR             | WHITE & BLACK...    |
| APPROVAL       | CE / UKCA / EAC / RED                           | WARRANTY          | 2 YEARS             |

Using a 1.28-inch high-definition round screen and is equipped with a new interactive UI design.



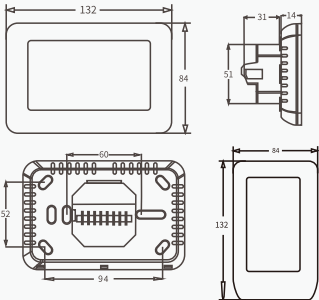
## FUNCTIONS

- Weekly program setting, manual constant temperature adjustment, holiday antifreeze mode, slow heating for more care
- Intelligent adaptive environment change function
- Accurate window opening detection, automatic temperature control
- Real-time energy consumption calculation, energy saving and worry-free
- Support multi-language interface (covering 8-10 international languages)
- APP remote intelligent control, control temperature anytime, anywhere
- Built-in 2.4G wifi, stable and efficient connection
- Dual temperature and dual control system, temperature limit protection is safer
- Compatible and support a variety of sensors, flexible adaptation
- Support multi-platform voice control, smart life is within reach

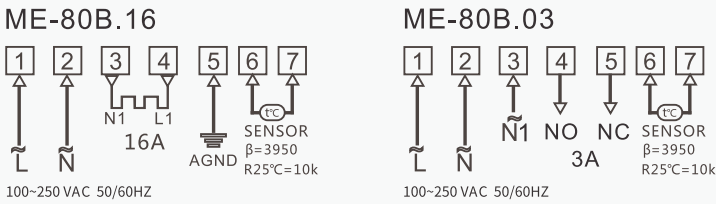
JH-80

Electric/Water heating thermostat

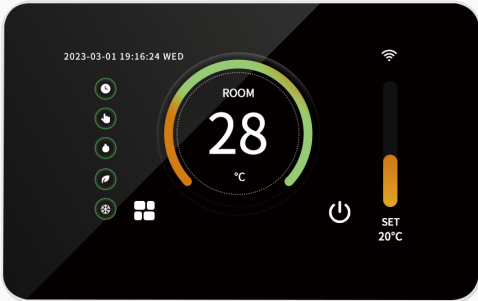
DIMENSIONS



WIRING DIAGRAM



ME80BVertical screen



ME80BHorizontal screen



ME80CHorizontal screen

| Model         | Display Mode | Color       | Note                          |
|---------------|--------------|-------------|-------------------------------|
| JH-80BEH-WiFi | Color Screen | Black、White | Suitable for electric heating |
| JH-80BWH-WiFi | Color Screen | Black、White | Suitable for water heating    |
| JH-80CEH-WiFi | LCD          | Black、White | Suitable for electric heating |
| JH-80CWH-WiFi | LCD          | Black、White | Suitable for water heating    |

ELECTRICAL SPECIFICATIONS

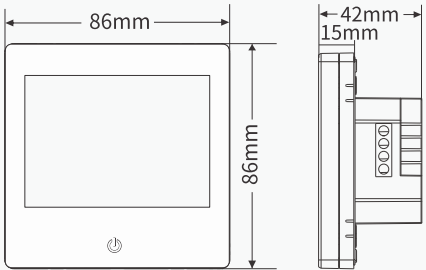
|                                    |                                                  |                                 |               |
|------------------------------------|--------------------------------------------------|---------------------------------|---------------|
| POWER SUPPLY                       | AC85-250V,50/60 HZ                               | TEMPERATURE SENSOR              | NTC10K(β3950) |
| TEMPERATURE ACCURACY               | ±1°C                                             | WORKING ENVIRONMENT TEMPERATURE | 0°C~50°C      |
| CONSUMPTION POWER                  | < 2W                                             | TEMPERATURE SETTINGS            | 5°C~70°C      |
| DISPLAY RANGE                      | 0°C~92°C                                         | STORAGE AMBIENT TEMPERATURE     | -10°C~60°C    |
| ELECTRIC CURRENT                   | 16A FOR ELECTRICAL HEATING, 3A FOR WATER HEATING | PROTECTION LEVEL                | IP20          |
| PRODUCT DESIGN EXECUTION STANDARDS | CE                                               |                                 |               |



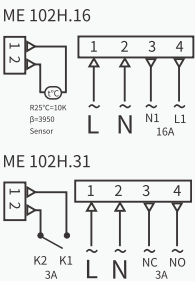
JH-102

Electric/Water heating thermostat

DIMENSIONS



WIRING DIAGRAM



| Model         | Display Mode | Color       | Note                          |
|---------------|--------------|-------------|-------------------------------|
| JH-102EH-WiFi | Color Screen | Black、White | Suitable for electric heating |
| JH-102WH-WiFi | Color Screen | Black、White | Suitable for water heating    |

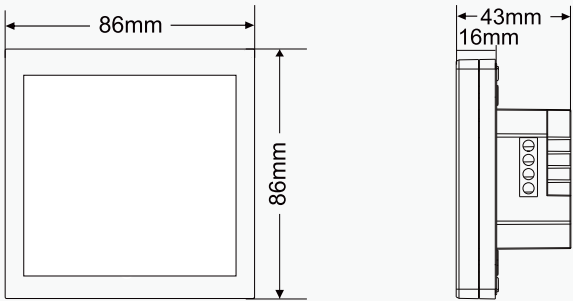
ELECTRICAL SPECIFICATIONS

|                                    |                                                 |                                 |               |
|------------------------------------|-------------------------------------------------|---------------------------------|---------------|
| POWER SUPPLY                       | AC85-250V,50/60 HZ                              | TEMPERATURE SENSOR              | NTC10K(β3950) |
| TEMPERATURE ACCURACY               | ±1°C                                            | WORKING ENVIRONMENT TEMPERATURE | 0°C~50°C      |
| CONSUMPTION POWER                  | < 2W                                            | TEMPERATURE SETTINGS            | 5°C~95°C      |
| DISPLAY RANGE                      | 0°C~95°C                                        | STORAGE AMBIENT TEMPERATURE     | -10°C~60°C    |
| ELECTRIC CURRENT                   | 16A FOR ELECTRICAL HEATING 3A FOR WATER HEATING | PROTECTION LEVEL                | IP20          |
| PRODUCT DESIGN EXECUTION STANDARDS | CE                                              |                                 |               |

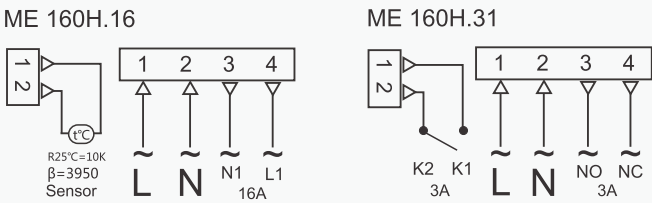
# JH-160

Electric/Water heating thermostat

## DIMENSIONS



## WIRING DIAGRAM



| Model         | Display Mode | Color       | Note                          |
|---------------|--------------|-------------|-------------------------------|
| JH-160EH-WiFi | Color Screen | Black、White | Suitable for electric heating |
| JH-160WH-WiFi | Color Screen | Black、White | Suitable for water heating    |

## ELECTRICAL SPECIFICATIONS

|                      |                                                     |                                 |               |
|----------------------|-----------------------------------------------------|---------------------------------|---------------|
| POWER SUPPLY         | AC85-250V,50/60 HZ                                  | TEMPERATURE SENSOR              | NTC10K(β3950) |
| TEMPERATURE ACCURACY | ±1°C                                                | WORKING ENVIRONMENT TEMPERATURE | 0°C~50°C      |
| CONSUMPTION POWER    | <2W                                                 | TEMPERATURE SETTINGS            | 5°C~70°C      |
| DISPLAY RANGE        | 0°C~92°C                                            | STORAGE AMBIENT TEMPERATURE     | -10°C~60°C    |
| ELECTRIC CURRENT     | 16A FOR ELECTRICAL HEATING,<br>3A FOR WATER HEATING | PROTECTION LEVEL                | IP20          |

PRODUCT DESIGN EXECUTION STANDARDS CE

# GLOBAL CERTIFICATIONS

# COMPANY QUALIFICATION

