





# ROOM THERMOSTATS

HEATING SERIES

**MINCO** HEAT

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## M3H-WIFI Colored Touch Screen Thermostat

### ❖ Description

M3H Heating Thermostat is with Large touch screen thermostat with colored Symbols. It is applied to temperature control of industrial, commercial and domestic room, and start of control heating appliances, especially for floor heating systems. System optional : IOS and Andriod

### ❖ Feature

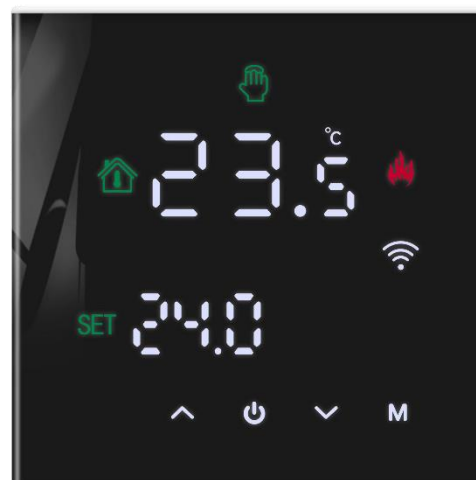
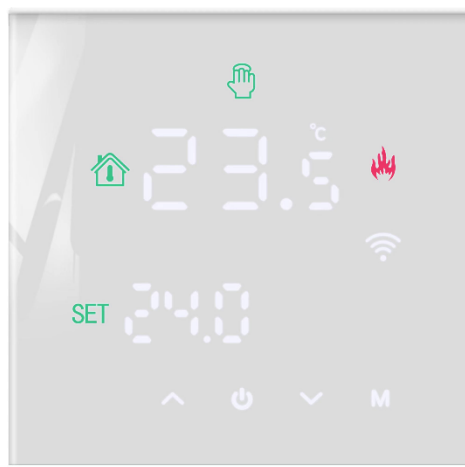
- ✓ WiFi function for IOS and Android, Tuya Smart App
- ✓ Large touch key, colored symbols show
- ✓ 5+2 or 6+1 or 7 days week program function (Only WiFi model)
- ✓ 6 periods program each day for your setting
- ✓ Data memory when power is off
- ✓ Temperature Precision:  $\pm 0.5^{\circ}\text{C}$
- ✓ Back light brightness is adjustable, back light can be closed
- ✓ 3 sensor mode can be setting
- ✓ Compatible with Google Home, Amazon Alexa, Alice, IFTTT...

### ❖ Technical Data

Current loading	For electrical heating:16A
	For water/gas boiler heating:3A
Working Voltage	90~250VAC,50/60HZ
Power Consume	<1.5w
Working Environment	Temperature: 0~+60°C Relative Humidity: RH<85%
Storage Environment	Temperature: 0~+60°C Relative Humidity: RH<95%
Setting temperature	5 ~ 95°C
Limit Temperature Range	5~60°C
Temperature Control Precision	+/-0.5°C
Temperature Sensing Element	NTC Resistance
Junction box	80x80 (European standard)
Certificates	CE, ROHS

## ❖ Models Distinction

Model	Application	Load	WiFi function	External sensor	Color
M3H-GB- wifi	For electric heating	16Amps	√	√	White, black
M3H-GB	For electric heating	16Amps		√	White, black
M3H-GA- wifi	For water heating	3Amps	√		White, black
M3H-GA	For water heating	3Amps			White, black
M3H-GC- wifi	For gas boiler	Dry Contact	√		White, black
M3H-GC	For gas boiler	Dry Contact			White, black



## **M8H-WIFI Piano Button Digital Thermostat**

### **❖ Description**

The button of M8H Heating Thermostat is designed as piano button, with a small sententious screen. It is applied to temperature control of domestic room, and start of control heating appliances, especially for floor heating systems. System optional : IOS and Andriod

### **❖ Feature**

- ✓ WiFi function for IOS and Android, Tuya Smart App
- ✓ Imitated piano button, sententious exterior
- ✓ 5+2 or 6+1 or 7 days week program function
- ✓ 6 periods program each day for your setting
- ✓ Data memory when power is off
- ✓ Temperature Precision:  $\pm 0.5^{\circ}\text{C}$
- ✓ Back light brightness is adjustable, back light can be closed
- ✓ 3 sensor mode can be setting
- ✓ Compatible with Google Home, Amazon Alexa, Alice, IFTTT...

### **❖ Technical Data**

Current loading	For electrical heating:16A
	For water/gas boiler heating:3A
Working Voltage	90~250VAC,50/60HZ
Power Consume	<1.5w
Working Environment	Temperature: 0~+60°C Relative Humidity: RH<85%
Storage Environment	Temperature: 0~+60°C Relative Humidity: RH<95%
Setting temperature	5 ~ 95°C
Limit Temperature Range	5~60°C
Temperature Control Precision	+/-0.5°C
Temperature Sensing Element	NTC Resistance
Junction box	80x80 (European standard)
Certificates	CE, ROHS

## ❖ Models Distinction

Model	Application	Load	WiFi function	External sensor	Color
M8H-GB- wifi	For electric heating	16Amps	√	√	Grey
M8H-GA- wifi	For water heating	3Amps	√		Grey
M8H-GC- wifi	For gas boiler	Dry Contact	√		Grey



## MX5H WIFI Touch Screen Thermostat

### ❖ Description

MX5H Heating Thermostat is Large Glass touch screen thermostat with Black back light. It is applied to temperature control of industrial, commercial and domestic room, and start of control heating appliances, especially for floor heating systems. System optional : IOS and Andriod

### ❖ Feature

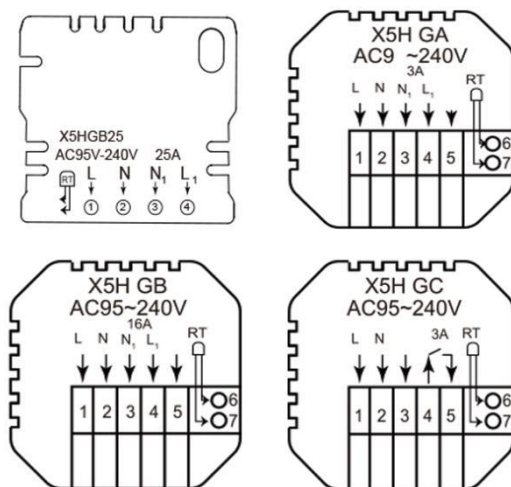
- ✓ WiFi function for ios and Android, Tuya Smart App
- ✓ Compatible with Google Home, Amazon Alexa, Alice, IFTTT
- ✓ Large touch key with back-light ,white words show
- ✓ 5+2 or 6+1 or 7 days week program function for choice
- ✓ 6 periods program for your setting
- ✓ Data memory when power is off
- ✓ Anti-freezing function
- ✓ Temperature differential adjustment
- ✓ 3 sensor mode can be setting
- ✓ Back light can be closed in App

### ❖ Technical Data

Current loading	For electrical heating:16A,25A
	For water/gas boiler heating:3A
Working Voltage	90~250VAC,50/60HZ
Power Consume	<2w
Working Environment	Temperature: 0~+45℃ Relative Humidity: RH<85%
Storage Environment	Temperature: 0~+55℃ Relative Humidity: RH<95%
Setting temperature	5 ~ 60℃ (internal sensor) 5 ~ 95℃ (external sensor)
Temperature Control Range	5~60℃
Temperature Control Precision	+/-1℃
Temperature Sensing Element	NTC Resistance
Junction box	80x80 (European standard)
Certificates	CE, ROHS

## ❖ Models Distinction

Model	Application	Load	WiFi function	External sensor	Color
MX5H-GB- wifi-25A	For electrical heating	25Amps	√	√	White/black
MX5H-GA-wifi	For water heating	3Amps	√		White/black
MX5H-GB-wifi	For electrical heating	16Amps	√	√	White/black
MX5H-GC-wifi	For gas boiler	Dry Contact	√		White/black



## MX7H Round Touch Screen Thermostat

### ❖ Description

MX7H Heating Thermostat is Large Glass touch screen thermostat with white back light. It is applied to temperature control of industrial, commercial and domestic room, and start of control heating appliances, especially for floor heating systems. System optional : IOS and Andriod

### ❖ Feature

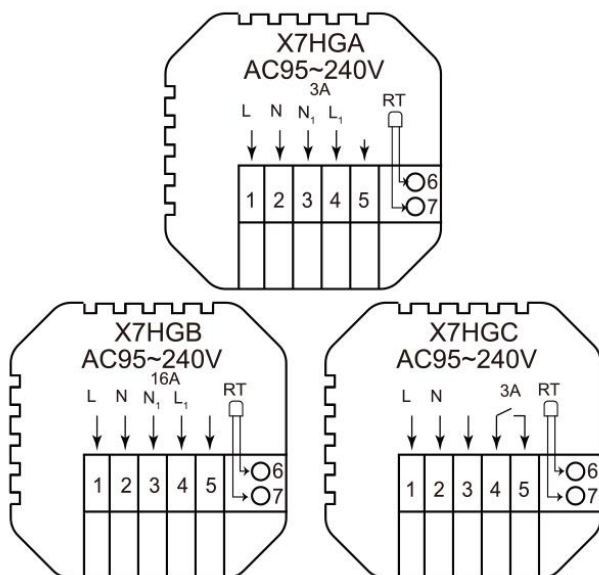
- ✓ WiFi function for ios and Android, Tuya Smart App
- ✓ Compatible with Google Home, Amazon Alexa, Alice, IFTTT
- ✓ 5+2 or 6+1 or 7 days week program function for choice
- ✓ 6 periods program for your setting
- ✓ Data memory when power is off
- ✓ Anti-freezing function
- ✓ Temperature differential adjustment
- ✓ 3 sensor mode can be setting
- ✓ Back light can be closed in App

### ❖ Technical Data

Current loading	For electrical heating:16A
	For water/gas boiler heating:3A
Working Voltage	90~250VAC,50/60HZ
Power Consume	<2w
Working Environment	Temperature: 0~+45℃ Relative Humidity: RH<85%
Storage Environment	Temperature: 0~+55℃ Relative Humidity: RH<95%
Setting temperature	5 ~ 60℃ (internal sensor) 5 ~ 99℃ (external sensor)
Temperature Control Range	5~60℃
Temperature Control Precision	+/-1℃
Temperature Sensing Element	NTC Resistance
Junction box	80x80 (European standard)
Certificates	CE, ROHS

## ❖ Models Distinction

Model	Application	Load	WiFi function	External sensor	Color
MX7H-GA-wifi	For water heating	3Amps	√		White, Black
MX7H-GA	For water heating	3Amps			White, Black
MX7H-GB-wifi	For electrical heating	16Amps	√	√	White, Black
MX7H-GB	For electrical heating	16Amps		√	White, Black
MX7H-GC-wifi	For gas boiler	Dry Contact	√		White, Black
MX7H-GC	For gas boiler	Dry Contact			White, Black



## **MK70/72/100 WIFI Touch Screen Thermostat**

### **❖ Description**

MK70/72/100 Heating Thermostat is Large Glass touch screen thermostat with Black back light. It is applied to temperature control of industrial, commercial and domestic room, and start of control heating appliances, especially for floor heating systems. System optional : IOS and Andriod

### **❖ Feature**

- ✓ WiFi function for Ios and Android, Tuya Smart App
- ✓ Compatible with Google Home, Amazon Alexa, Alice, IFTTT
- ✓ Large touch key with back-light ,white words show
- ✓ 5+2 or 6+1 or 7 days week program function for choice
- ✓ 6 periods program for your setting
- ✓ Data memory when power is off
- ✓ Anti-freezing function
- ✓ Temperature differential adjustment
- ✓ 3 sensor mode can be setting
- ✓ Back light can be closed in App

### **❖ Technical Data**

Current loading	For electrical heating:16A
	For water/gas boiler heating:3A
Working Voltage	90~250VAC,50/60HZ
Power Consume	<2w
Working Environment	Temperature: 0~+45℃ Relative Humidity: RH<85%
Storage Environment	Temperature: 0~+55℃ Relative Humidity: RH<95%
Setting temperature	5 ~ 60℃ (internal sensor) 5 ~ 99℃ (external sensor)
Temperature Control Range	5~60℃
Temperature Control Precision	+/-1℃
Temperature Sensing Element	NTC Resistance
Junction box	80x80 (European standard)
Certificates	CE, ROHS

## ❖ Models Distinction

Model	Application	Load	WiFi function	External sensor	Color
MK70-GA-wifi	For water heating	3Amps	√		White/black, full black
MK70-GB-wifi	For electrical heating	16Amps	√	√	White/black, full black
MK70-GC-wifi	For gas boiler	Dry Contact	√		White/black, full black
MK72-GA-wifi	For water heating	3Amps	√		Full white
MK72-GB-wifi	For electrical heating	16Amps	√	√	Full white
MK72-GC-wifi	For gas boiler	Dry Contact	√		Full white
MK100-GA-wifi	For water heating	3Amps	√		Full white, full black
MK100-GB-wifi	For electrical heating	16Amps	√	√	Full white, full black
MK100-GC-wifi	For gas boiler	Dry Contact	√		Full white, full black



## MK71 WIFI Button Type LCD Digital Thermostat

### ❖ Description

MK71 Heating Thermostat is button LCD screen thermostat. It is applied to temperature control of industrial, commercial and domestic room, and start of control heating appliances, especially for floor heating systems. System optional : IOS and Andriod

### ❖ Feature

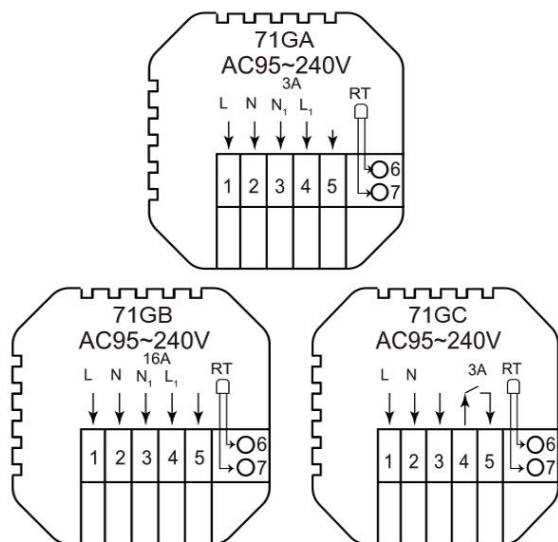
- ✓ WiFi function for ios and Android, Tuya Smart App
- ✓ Compatible with Google Home, Amazon Alexa, Alice, IFTTT
- ✓ Large touch key with back-light ,white words show
- ✓ 5+2 or 6+1 or 7 days week program function for choice
- ✓ 6 periods program for your setting
- ✓ Data memory when power is off
- ✓ Temperature differential adjustment
- ✓ 3 sensor mode can be setting
- ✓ Support Celsius and Fahrenheit

### ❖ Technical Data

Current loading	For electrical heating:16A
	For water/gas boiler heating:3A
Working Voltage	90~250VAC,50/60HZ
Power Consume	<0.3w
Working Environment	Temperature: 0~+45℃ Relative Humidity: RH<85%
Storage Environment	Temperature: 0~+55℃ Relative Humidity: RH<95%
Setting temperature	5~95℃
Temperature Control Range	5~60℃
Temperature Control Precision	+/-1℃
Temperature Sensing Element	NTC Resistance
Junction box	80x80 (European standard)
Certificates	CE, ROHS

## ❖ Models Distinction

Model	Application	Load	WiFi function	External sensor	Color
MK71-GA-wifi	For water heating	3Amps	√		Full white
MK71-GA	For water heating	3Amps			Full white
MK71-GB-wifi	For electrical heating	16Amps	√	√	Full white
MK71-GB	For electrical heating	16Amps		√	Full white
MK71-GC-wifi	For gas boiler	Dry Contact	√		Full white
MK71-GC	For gas boiler	Dry Contact			Full white



## **MH1823/1824/1825 Touch Screen Thermostat**

### **❖ Description**

MH1823 Heating Thermostat is Large touch screen thermostat with black back light. It is applied to temperature control of industrial, commercial and domestic room, and start of control heating appliances, especially for floor heating systems. System optional : IOS and Andriod

### **❖ Feature**

- ✓ WiFi function for ios and Android, Tuya Smart App
- ✓ Compatible with Google Home and Amazon Alexa
- ✓ 5+2 or 6+1 or 7 days week program function for choice
- ✓ 6 periods program for your setting
- ✓ Data memory when power is off
- ✓ Anti-freezing function
- ✓ Temperature differential adjustment
- ✓ 3 sensor mode can be setting
- ✓ Back light can be closed in App

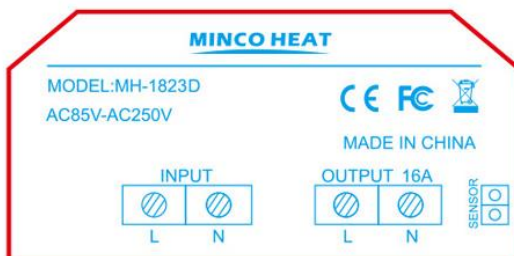
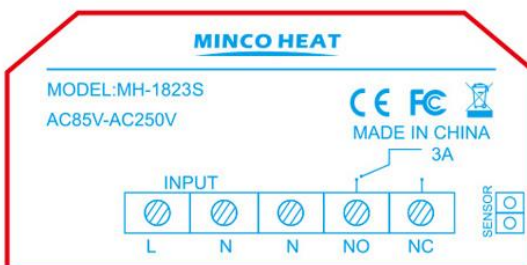
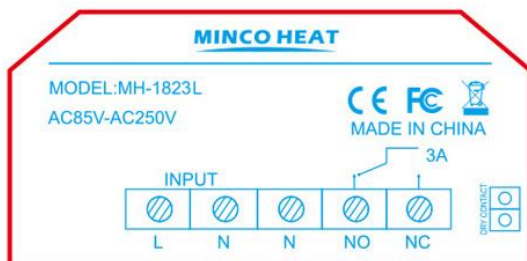
### **❖ Technical Data**

Current loading	For electrical heating:16A
	For water/gas boiler heating:3A
Working Voltage	90~250VAC,50/60HZ
Power Consume	<2w
Working Environment	Temperature: 0~+45℃ Relative Humidity: RH<85%
Storage Environment	Temperature: 0~+55℃ Relative Humidity: RH<95%
Setting temperature	5 ~ 50℃ (internal sensor) 5 ~ 50℃ (external sensor)
Temperature Control Range	5~65℃
Temperature Control Precision	+/-1℃
Temperature Sensing Element	NTC Resistance
Junction box	80x80 (European standard)
Certificates	CE, ROHS

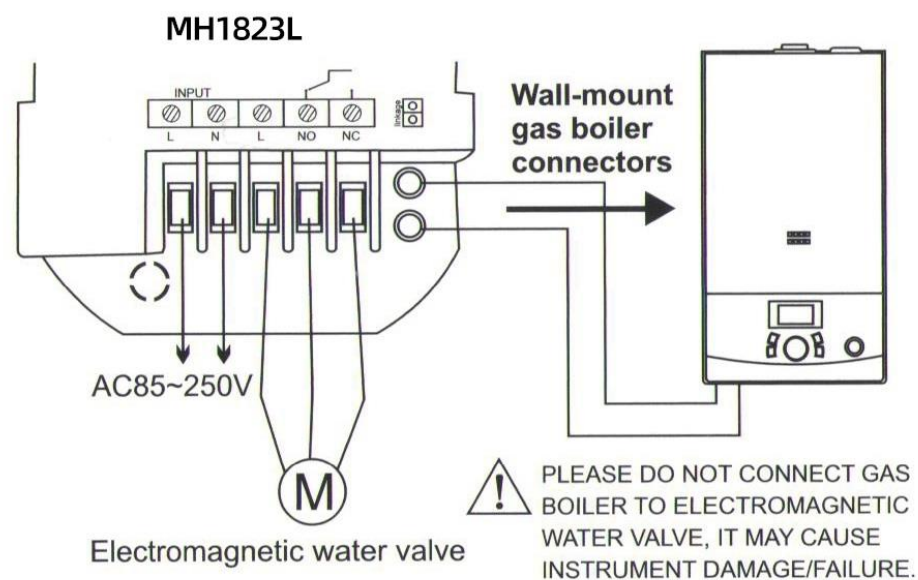
## ❖ Models Distinction

Model	Application	Load	WiFi function	External sensor	Color
MH1823S-wifi	For water heating	3Amps	√		White/black, Black
MH1823S	For water heating	3Amps			White/black, Black
MH1823D-wifi	For electrical heating	16Amps	√	√	White/black, Black
MH1823D	For electrical heating	16Amps		√	White/black, Black
MH1823L-wifi	For Water/gas boiler	Dry Contact, 3Amps	√		White/black, Black
MH1823L	For Water/gas boiler	Dry Contact, 3Amps			White/black, Black





**Warning:** In order to prevent instrument damage or failure, please connect the instrument strictly according to below instructions.



Note: If the electromagnetic water valves are not in use, please DO NOT connect these connectors.

## MK60 WiFi Button Type LCD Screen Digital Thermostat

### ❖ Description

MK60 Heating Thermostat is button LCD screen thermostat. It is applied to temperature control of industrial, commercial and domestic room, and start of control heating appliances, especially for floor heating systems. System optional : IOS and Andriod

### ❖ Feture

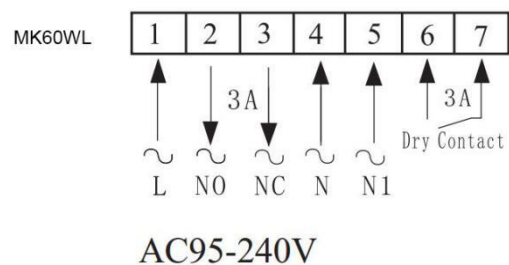
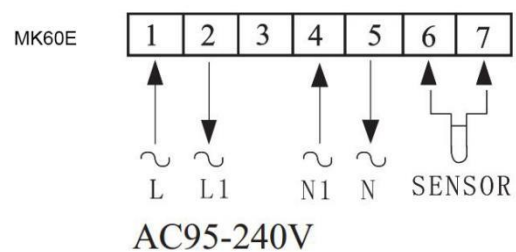
- ✓ WiFi function for los and Android, Tuya Smart App
- ✓ Compatible with Google Home, Amazon Alexa, Alice, IFTTT
- ✓ Large touch key with back-light ,white words show
- ✓ 5+2 or 6+1 or 7 days week program function for choice
- ✓ 6 periods program for your setting
- ✓ Data memory when power is off
- ✓ Temperature differential adjustment
- ✓ 3 sensor mode can be setting

### ❖ Technical Data

Current loading	For electrical heating:16A For water/gas boiler:3A
Working Voltage	230VAC,50/60HZ
Power Consume	<0.3w
Working Environment	Temperature: 0~+45°C Relative Humidity: RH<85%
Storage Environment	Temperature: 0~+55°C Relative Humidity: RH<95%
Setting temperature	5~95°C
Temperature Control Range	5~95°C
Temperature Control Precision	+/-1°C
Temperature Sensing Element	NTC Resistance
Junction box	80x80 (European standard)
Certificates	CE, RoHS

## ❖ Models Distinction

Model	Application	Load	WiFi function	External sensor	Color
MK60E-wifi	For electric heating	16Amps	√	√	Full white/black
MK60WL-wifi	For water/gas boiler	3Amps, Dry contact	√		Full white/black



## M6 Button Type LCD Screen Digital Thermostat

### ❖ Description

M6 Heating Thermostat is button LCD screen thermostat. It is applied to temperature control of industrial, commercial and domestic room, and start of control heating appliances, especially for floor heating systems.

### ❖ Feture

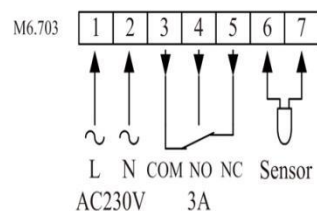
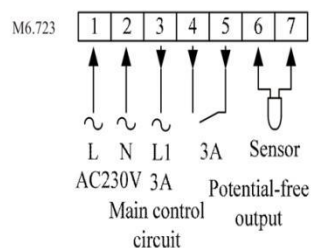
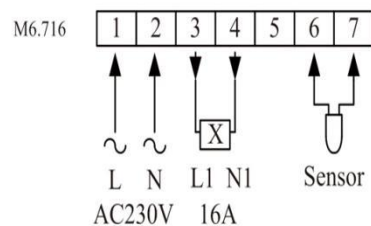
- ✓ Button type LCD screen display with white back light
- ✓ Manual mode and auto mode .
- ✓ With child lock function.
- ✓ 5+2/6+1/7 week program function for choice.
- ✓ 6 periods program for your setting .
- ✓ Power state memory when the power failure.
- ✓ Anti-freezing function.
- ✓ Temperature differential adjustment.
- ✓ 3 Sensor mode can be set.

### ❖ Technical Data

Current loading	For electrical heating:16A For water/gas boiler:3A
Working Voltage	230VAC,50/60HZ
Power Consume	<0.3w
Working Environment	Temperature: 0~+45°C Relative Humidity: RH<85%
Storage Environment	Temperature: 0~+55°C Relative Humidity: RH<95%
Setting temperature	5~95°C
Temperature Control Range	5~95°C
Temperature Control Precision	+/-1°C
Temperature Sensing Element	NTC Resistance
Junction box	80x80 (European standard)
Certificates	CE, RoHS

## ❖ Models Distinction

Model	Application	Load	WiFi function	External sensor	Color
M6.716	For electrical heating	16Amps		√	Full white/black
M6.723	For water/gas boiler	3Amps, Dry contact			Full white
M6.703	For water heating	3Amps			Full white



## M5 Mechanical Thermostat

### ❖ Description

M5 is electronic models which applied to temperature control of industrial, commercial and domestic room in floor heating systems.

### ❖ Feture

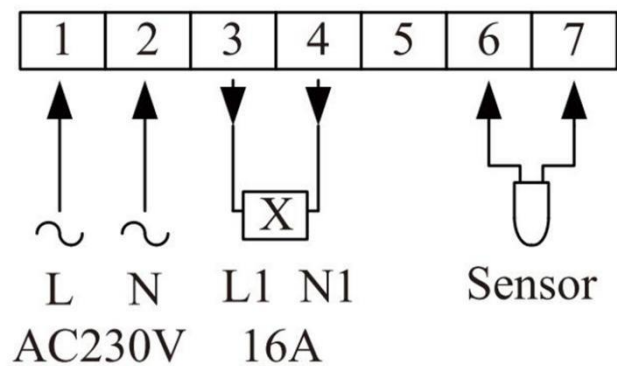
- ✓ Simple setting with power key, working lighter and temperature turntable.

### ❖ Technical Data

Current loading	For electrical heating:16A
Working Voltage	230VAC,50/60HZ
Power Consume	<0.3w
Working Environment	Temperature: 0~+45°C Relative Humidity: RH<85%
Storage Environment	Temperature: 0~+55°C Relative Humidity: RH<95%
Setting temperature	5~45°C
Temperature Control Range	5~45°C
Temperature Control Precision	+/-1°C
Temperature Sensing Element	NTC Resistance
Junction box	80x80 (European standard)
Certificates	CE, RoHS

## ❖ Models Distinction

Model	Application	Load	WiFi function	External sensor	Color	Note
M5.16	For electrical heating	16Amps		√	Full white	Only floor sensor to measure temperature
M5.16D	For electrical heating	16Amps		√	Full white	Inner sensor measure room temperature, floor sensor limit floor temperature



## Tuya Smart APP OPERATION INSTRUCTIONS

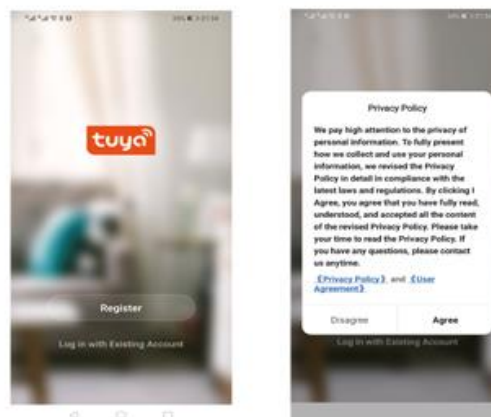
### About WIFI connection

Before using the WIFI thermostat for the first time, you should set the WIFI signal and configuration through your smart phone or tablet to allow communication between your connected devices.

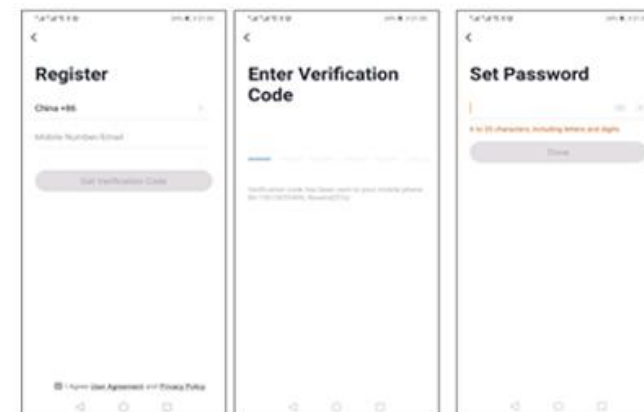
1. Download the APP  
Search for "Tuya" in App market or scan below QR Code to download



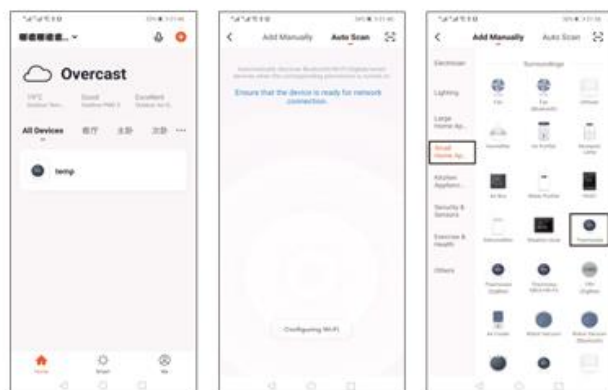
2. Register Account If you don't have an APP account yet, you can choose to register or log in via SMS verification code. Click "Create a new account", you will enter the Tuya Smart Platform Privacy Policy page. After you click Agree, you will officially enter the mobile phone registration page.



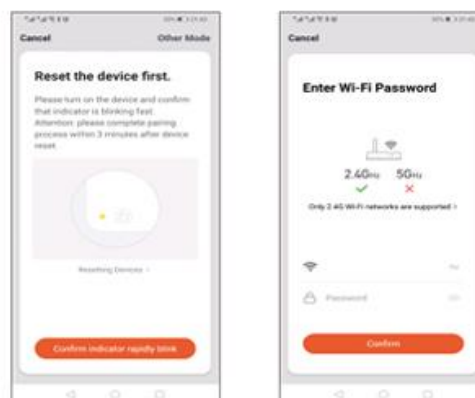
The system automatically determines the current country/region. You can also select the country/region manually. After entering your mobile phone number or email address, click "get verification code". Enter the received verification code, then enter the password, and click "finish" to register successfully.



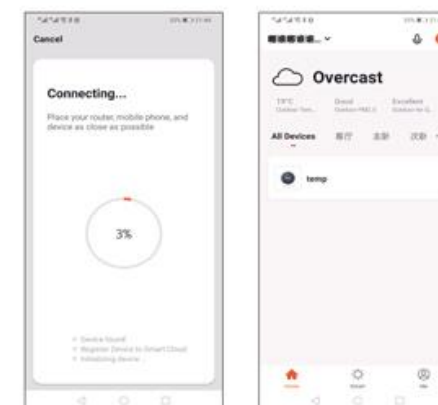
3. Add device Click "add device" or "+" on the top right of the APP homepage to enter the "add device" page. Currently, there are two ways to manually add device and search device.



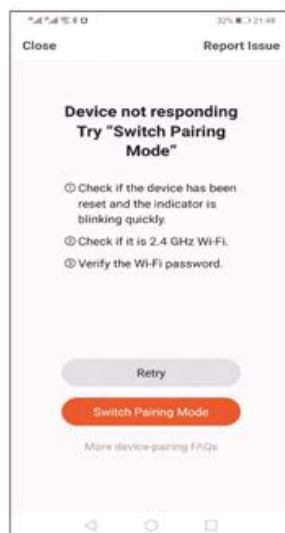
Find the thermostat product (WIFI model) in the device list. In the specified network mode, the indicator flashes (slowly flashes) and then click the confirm button on the page. Select the device's work area to connect to the WIFI of the Internet and enter the WIFI password. Click "ok" to enter the matching network process.



If the default mode distribution network is selected, the distribution process APP is shown in figure 1 below, and the distribution network successfully displays the interface shown in figure 2. The name of the device can be changed or the location of the room can be selected.



If the distribution network fails, the APP will display the page shown in the figure below. You can choose to add or view the help again. Note: if the connection fails, please confirm whether the temperature control device has entered the code matching state, refer to item 6 of the operation manual.



## 4. Display of temperature controller APP interface

