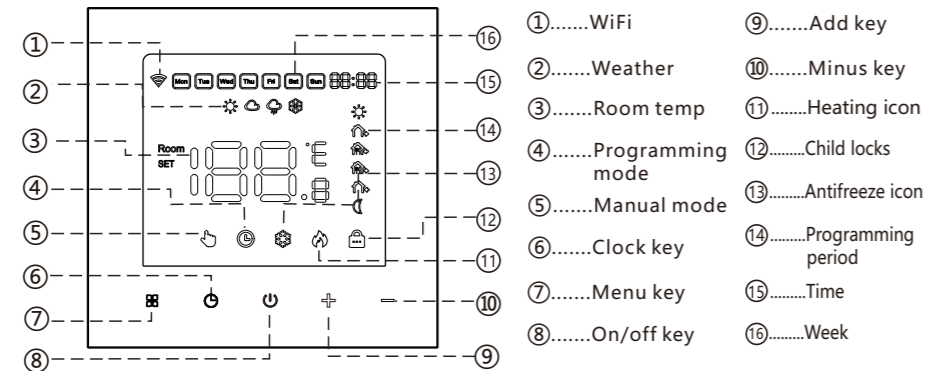# Heating Thermostat Manual

Application

Intelligent digital thermostats are used to control heating materials in electric heating systems or valves in water heating systems.

Technical indicators

1.Power supply:100~250VAC 50/60HZ　　2. Room temperature range: 5~70℃

3.Max. load:16A/250VAC　3A/250VAC　　4.Temperature display accuracy:±0.5℃

5.Working environment temperature: 0℃~50℃　　6.Product size: 86*86*40MM

7.Storage environment temperature:-10℃~60℃　　8.WiFi frequency:2.400~2.483GHZ

9.WiFi communication protocol: IP/TCP, MQTT

10. Product design implementation standard: GB14536.1-2011 IEC60730-1:2011
　　　　　　　　　　　　　　IEC60730-2-9:2011 EN15500:2011

Icon description

①.......WiFi	⑨.......Add key
②.......Weather	⑩.......Minus key
③.......Room temp	⑪.........Heating icon
④.......Programming mode	⑫.........Child locks
⑤.......Manual mode	⑬.........Antifreeze icon
⑥.......Clock key	⑭.........Programming period
⑦.......Menu key	⑮.........Time
⑧.......On/off key	⑯.........Week

Operating instructions

⏻ On/Off button: Short press the power on and off button to power on/off.

▦ Menu key: In the power-on state, press the " ▦ " to switch the working mode (screen display " 🖑 " indicates manual mode, display " 🕒 " indicates programming mode).

🕒 Clock key: short press the " 🕒 " to enter the current time adjustment, press the " 🕒 " to switch hours/minutes/week, press the "✚ ━" to modify the current hour/minutes/week, and press the " ⏻ " to confirm exit.

✚/━ Add/Minus keys: In the power on state, press the "✚ ━" to adjust the temperature. In the power on state, press and hold the "✚ ━" at the same time for 5 seconds to open the child lock function(screen display " 🔒 "). Conversely, press and hold the "✚ ━" for 5 seconds at the same time to unlock the child.

Programmatic mode operation(6 periods of time and temperature)

In the shutdown state, press and hold " ▦ " and " 🕒 " for 5 seconds to enter the programming mode, press " ▦ " to switch the hour / minute / temperature of the first period, press " ✚ ━ " to modify the period of time / minute / temperature adjustment. The remaining periods are adjusted sequentially according to the above operation.

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1 .Wake-up　2. Leave　3 Return(am)　4.Leave(pm)　5.Return(pm)　6.Sleep

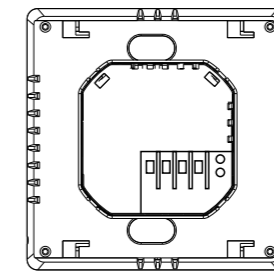| Key	Event		Symbol	Time	+ ━	Default value	+ ━
▦	Week day	01	☼	06:00	Set time	20℃	Set temperature
		02	🏠	08:00		16℃	
		03	🏠	11:30		20℃	
		04	🏠	12:30		16℃	
		05	🏠	17:00		20℃	
		06	☾	22:00		16℃	
	Weekend	01	☼	08:00		20℃	
		02	☾	23:00		16℃	

Parameter default setting

In the shutdown state, long press the " ▦ " and " ━ " 5 seconds to enter the advanced menu settings, short press the " ▦ " to switch advanced menu parameters, press the " ✚ ━ " Select the required parameter value, press each time " ▦ " Switch to the next advanced menu parameter, and continue to return to the first item of the advanced menu setting interface; Press " ⏻ " to save to exit the advanced menu settings and return to the shutdown interface state.

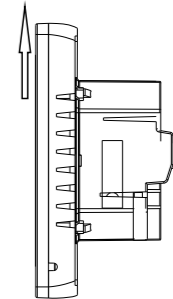| Symbol	Parameters		Default parameters	+ or ━
1	Rdj	Temperature calibration	0	Adjust measured temperature range:-9~9℃
2	2SEn	Sensor mode	IN	IN: Single room temperature mode control OU: Single floor temperature mode control AL: Dual-temperature dual-control mode control: room temperature control is the mainstay, and floor temperature control is supplemented
3	3L it	Overheating protection	60℃	Adjust range: 5℃~60℃
4	4d IF	Switching differential	1	Adjust switching differential range:1~6　(0.5~3℃)
5	5LFP	Anti-frozen function	ON	Turn on(01)/off(00) Anti-frozen function
6	6PrG	Kinds of periods of time mode	01	OF : Close　　　　01:5+2 day mode 02:6+1 day mode　　03:7 +0day mode
7	7UFL	Max . temperature	40℃	Adjust range:20℃~70℃
8	8LFL	Set the lower limit of temperature	10℃	Adjust range:5℃~20℃
9	9LIG	Standby backlight brightness	1	0：Total darkness　　1：20% 2：50%　　　　　　3：Full brightness
10	AE9C	Load selection	1	1: Low(≤1.5KW) 2: Medium(1.5~2.6KW) 3: High(2.6~3.5KW)
11	bFEC	Reset to factory settings	━	Press "✚" and hold for 5s, all parameters will be reset.

Low temperature protection function

When the thermostat is in the shutdown state and the indoor temperature is lower than 5 ℃, the thermostat automatically turns on heating(the screen displays the " ❄ " antifreeze icon); When the room temperature rises to 7 ℃, the thermostat automatically turns off the heating (the screen " ❄ " icon disappears).
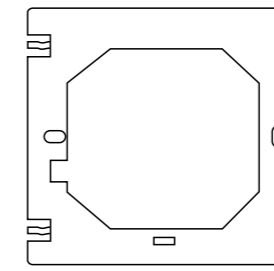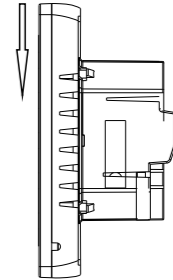
Installation method

1. Connect the power box to the wiring diagram well
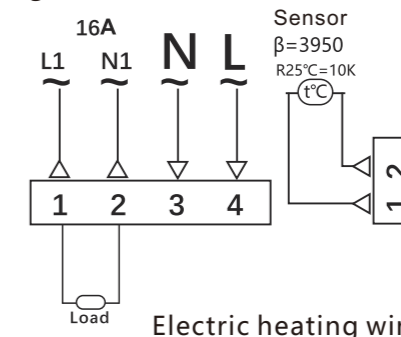
2. Push the panel display part up and remove the panel

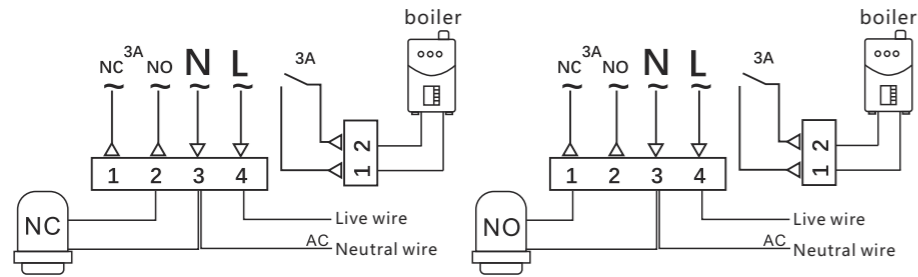3. Fix the thermostat fixing plate to the 86 boxes

4. Align the panel buckle with the fixing plate and push the panel down
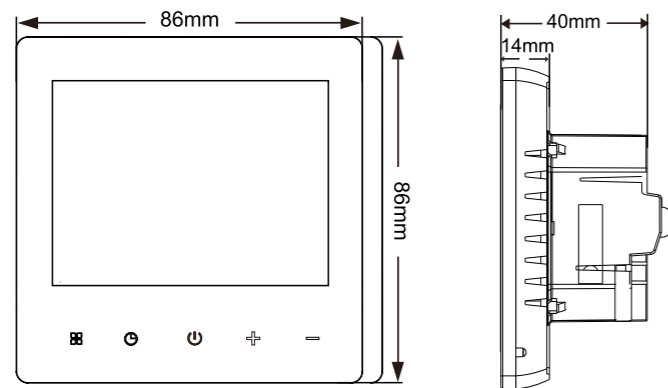
Wiring diagram

16A　　　　Sensor
β=3950
R25℃=10K

L1　N1　N L

| 1 | 2 | 3 | 4 |

Load

Electric heating wiring diagram

Wiring diagram of plumbing normally closed valve

Wiring diagram of plumbing normally open valve

dimension(MM)

86mm

86mm

40mm

14mm

Common failure handling

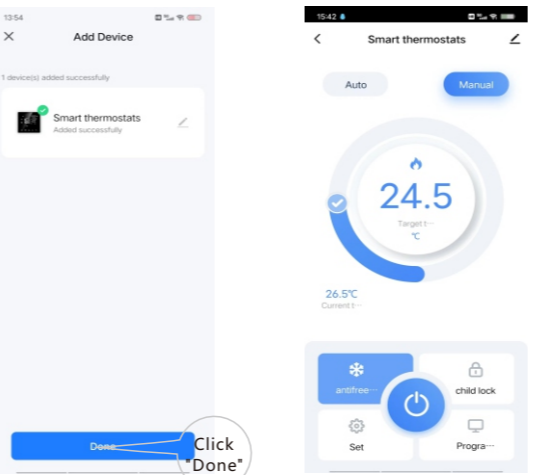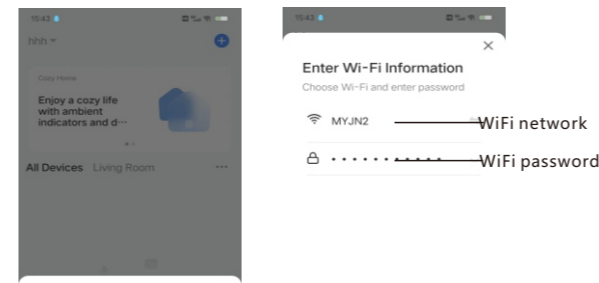| Failure	Handling
Crash	1.Check the power supply wiring is correct or not . 2.Check the power key
LCD display garbled	1.The shell is deformed after installation,can be reinstalled.
Display normal No output	1. Check whether the wiring between the MPU and the power board is damaged. 2. Check whether the null line of live line is connected wrong.
Temperature display error	Adjust the panel temperature display by the first option in the Advanced tab.
Sensor failure	Check the sensor for damage Er1: Built-in sensor disconnected or fault with it. Er2: External sensor disconnected or fault with it.

Distribution network description:
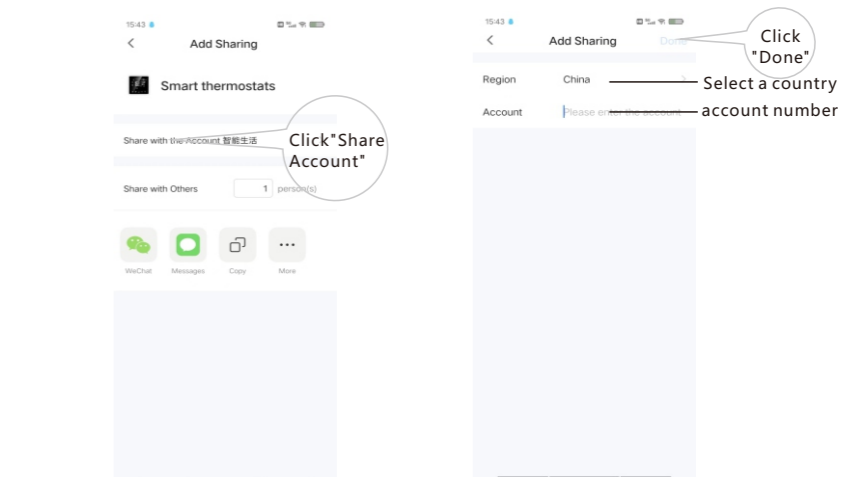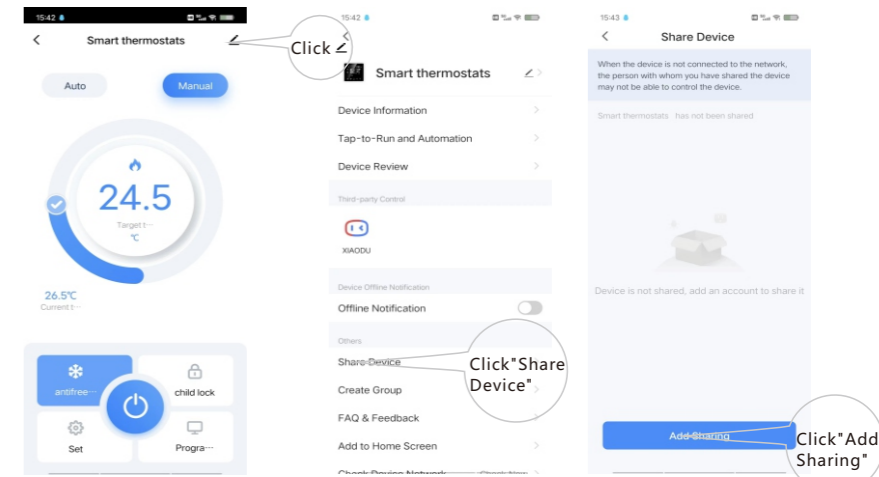
1) Thermostat distribution network

In the shutdown state, press and hold the plus and minus keys at the same time, when the screen shows full display and turn on, the screen WiFi icon " 🛜 " is flashing, at this time the control panel is already in the network configuration state, and the WiFi icon shows normal that the network is successfully connected.

2) Mobile APP network distribution

Turn on 2.4G WiFi and Bluetooth

Scan the QR code to download and install the "Smart Life" APP.

Enter Wi-Fi Information
Choose Wi-Fi and enter password

MYJN2 ——————WiFi network

•••••••••• ——————WiFi password

Devices to be added: 1

Smart thermostats

Click "Add"

Click "Next"

Add Device
1 device(s) being added

Smart thermostats
Being added

Add Device
1 device(s) added successfully

Smart thermostats
Added successfully

Smart thermostats

Auto   Manual

24.5
Target ℃

26.5℃
Current ℃

antifree   child lock

Set   Progra...

Click "Done"

3) Share device descriptions

Click ∠

Smart thermostats

Device Information
Tap-to-Run and Automation
Device Review
Third-party Control
XIAODU
Device Offline Notification
Offline Notification
Others
Share Device
Create Group
FAQ & Feedback
Add to Home Screen

Click"Share Device"

Share Device

When the device is not connected to the network, the person with whom you have shared the device may not be able to control the device.

Smart thermostats has not been shared

Device is not shared, add an account to share it

Click"Add Sharing"

Add Sharing

Smart thermostats

Share with the account 智能生活

Share with Others   1 person(s)

WeChat   Messages   Copy   More

Click"Share Account"

Add Sharing

Region   China ——————Select a country
Account   Please e... ——————account number

Click "Done"

Instructions for unnetworking

Host and mobile APP withdrawal instructions:

In the shutdown state, long press the panel plus and minus keys at the same time, when the screen shows full display and turn on, at this time the control panel has reset the network, and the screen WiFi icon " 🛜 " is flashing.