Installation and Operation Manual

Identify System Type

Max. 2H2C conventional System

or Max. 3H/2C Heap Pump System

Separate 7 Day Daily Programmable, smart wifi application
****
This thermostat is compatible with the following systems:

- Gas, oil, Propane or electric furnace
- Central air conditioner
- Geo Thermal / Hot water system with or without pump
- Heat only/Cool only/Auto/Emer/Off modes configurable
- Central heating and cooling system
- Heat pump with auxiliary/backup heat
- Forced Air / In-Floor Radiant / Radiator system

Features

SAVE ABOUT 25% ON HVAC ENERGY

Save money without compromising your comfort with features like flexible weekly programmable scheduling and remote WiFi control.

FLEXIBLE MOUNTED TYPE

Wall Mounted or 2.36"/62±5mm(Europe,China,Japan) or 3.37"/86±3mm(USA, Italy), easy to install.

SAVE ABOUT 25% ON HVAC ENERGY

Permanent Hold/Temporary Hold/Using Programming Schedule/Hold Until Menu.

HUMIDITY/UV/WEATHER DISPLAY

Synchronizes Humidity/UV/Weather data locally on the screen display

SMART HOME COMPATIBLE

Compatible with smart home platforms Amazon Alexa, the Google Assistant, Tuya Smart Life.

MULTIPLY THERMOSTAT CONTROL

Easy management for schools and light commercial applications. Smart Scene/Group Control available.

OTHER FEATURES

✠Device Sharing, Languages/Time synchronizes according to time zone.

✠°F or °C configurable.

✠Negative Black Screen, black lightness configurable.

✠Fan switch ON and AUTO Configurable.

✠Air Filter change Indicator, Temperature calibration.

✠Touch Screen Keypad, Easy operation friendly.

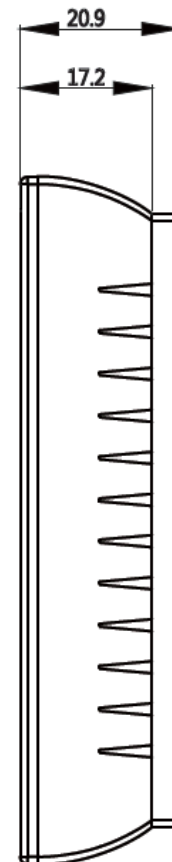✠Built-in compressor protection.

Specification

Power Supply	AC/DC24V±10%
Terminal Load	1.0A(Inductive) per terminal, 3.0A (Resistance) per terminal
Set Point Temp. Range	42ºF to 122ºF (5ºC to 50ºC).
Accuracy	+/- 1ºF or +/- 0.5ºC.
Dimensions	5.12" L*3.54'' W* 0.82'' D /130x90x20.9mm
Color	White/Black/S.S Brush panel optional
Installation Hole Distance	Wall Mounted or 2.36"/62±5mm(Europe,China,Japan) or 3.37"/86±3mm(USA, Italy)
Wire Diameter for Terminals	2*1.5mm^2 or 1*2.5mm^2

Programmable Multi-Stage Smart Thermostat

Reference No.: HTW-MT08 Series

Display
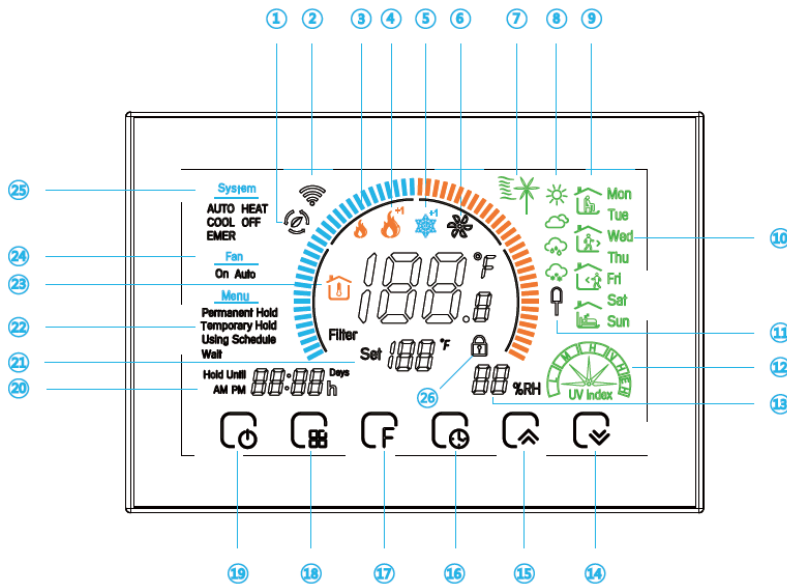
1. Wifi (AP mode)
2. Wifi (EZ mode)
3. AUX Heat
4. 1st Stage Heat
5. 1st Stage Cool
6. Fan
7. Wind speed
8. Weather
9. Periods
10. Monday to Sunday
11. External sensor
12. Ultraviolet intensity
13. The humidity outdoor

14. Down Button
15. Up Button
16. Clock
17. Permanent Hold/Temporary Hold/Using Schedule/Holiday
18. Auto/Cool/Heat/Off
19. Power
20. Time
21. Set temp
22. Menu
23. Room Temp
24. Fan auto/open
25. System mode
26. Lock

Dimensions

Version 2020-1.0

HOTOWELL
NEVER FORGET IMPROVING
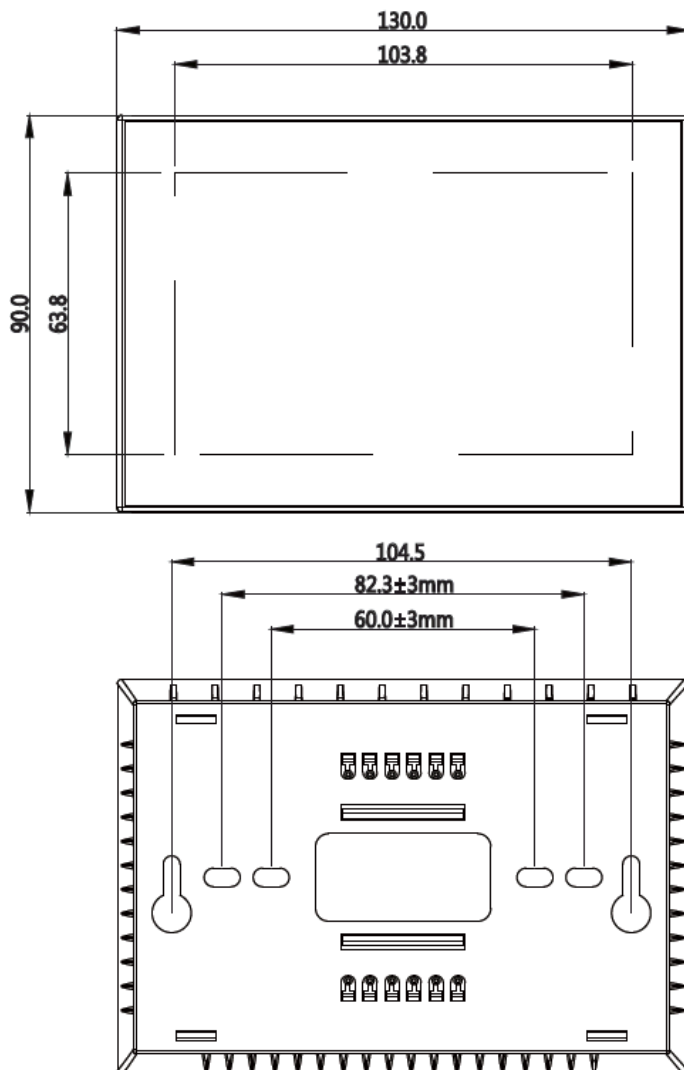
Installation

**********************************Remove Old Thermostat**********************************

1.Turn Off the Power

or
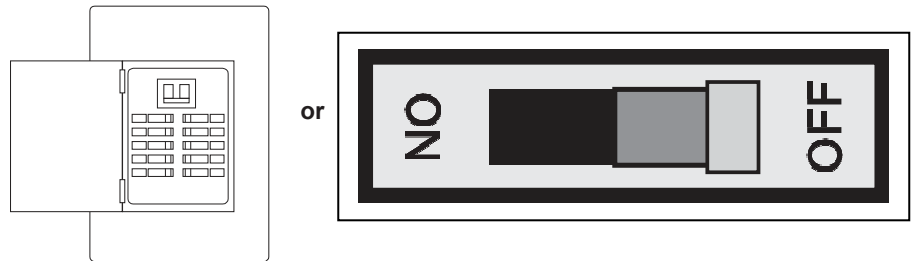
⚠ WARNING

To prevent electrical shock and/or equipment damage, disconnect electrical power to the system at the main fuse or circuit breaker box, or by flipping a switch at the air handler. Do not restore power until installation is complete.

To ensure the power to your heating and cooling system has been turned off, try to turn on heating or cooling by changing the temperature on your old thermostat

2. Remove the old thermostat cover

Remove the old thermostat's front cover from the wall base. Some covers pull off easily, while others may need to be removed by prying the cover off with a screwdriver.

⚠ CAUTION

Your old thermostat may have a sealed glass tube containing mercury. Be careful not to damage the tube or dispose of the tube in your trash.

3. Label wires

Tip: Taking a picture with a camera or smartphone can help you not only remember how wires are connected to the terminals, but can also ensure that you label your wires correctly.

❶Using your screwdriver, carefully unscrew one wire at a time from the terminal block and attach the corresponding wire label sticker.

❷Please note that not all terminals may be used, and that there's no standard color code for thermostat wires, so your wire colors may vary.

❸For your reference, we've included a terminal label reference chart as below to help you connect the wires in your old thermostat to your new thermostat in case you get stuck.

Terminal labeling reference chart

If your current terminal has the following letter	Label the wires with the following letters	Terminal function
RC	RC	24V Power (Cooling)
RH, R, R5, 5	RH	24V Power (Heating)
C	C	24V (Common) from Equipment Transformer
W, W1, 4	W	Heating Relay
Y, Y1	Y	Cooling Relay
G	G	Fan Relay
O	O	Reversing Valve (for heat pump applications energized in Cool mode)
B	B	Reversing Valve (for heat pump applications energized in Heat mode)

Version 2020-1.0

4. Identify jumper wire

On your old thermostat, if…	Then, on your new thermostat…
Terminal RC and RH are connected with a jumper wire	Leave the jumper wire in its place
There's only one R wire (RC, RH, R or R5) coming out of the wall	Leave the jumper wire in its place
Terminal RC and RH (or 5 or R5) are NOT connected by a jumper wire	Remove the jumper wire between RC and RH

For terminal **Y** and **W**:

If you have a heat pump with reversing valve, connect Y and W with a jumper wire on your new thermostat.

5.Remove old thermostat base

With all of your wires disconnected and properly labeled, you may now safely remove the thermostat base from your wall.

Identify and label each wire

IGNORE WIRE COLORS:

Use terminal screw designations
to identify wires.
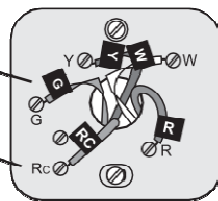
Tip: Worried about having your wires falling into your wall? Keep the wires secure by wrapping them around a pencil.

**************************Mounting and Wiring Your New Thermostat**************************

1. Remove the mounting plate by screw driver and Open the insulating cover.

2.Install new thermostat base

  Mount your new thermostat base using screws. Drill holes and insert wall anchors to secure the thermostat base to the wall, if necessary.

3.Connect wires to corresponding terminal blocks

Match each labeled wire to it's corresponding terminal on the mounted thermostat base. Insert each labeled wire into the hole of it's matching terminal, and using the screwdriver, tighten the screw on the terminal block securely.

⚠ **CAUTION**

Take care when securing and routing wires so they do not short to adjacent terminals or rear of thermostat. Personal injury and/or property damage may occur.

4.Fasten body of thermostat and the whole mounting plate back.

5.Turn on power

Turn on your power at the source.

Congratulations!

You've completed the thermostat installation process

NO   OFF

HOTOWELL
NEVER FORGET IMPROVING

****************************Check Thermostat Operation****************************

ON/OFF operation

❶Press Power button ⎉ to turn the thermostat on/off.

Working Mode Operation

❶Press ⎐ to set the thermostat working mode in **Permanent Hold, Using Schedule** or **Temporary Hold**. These functions will appear on the screen.

❷**Permanent Hold** =Manual Mode. In this mode, press ▲ ▼ to set temperature manually.

❸**Temporary Hold**. when you change the temperature setting to a different temperature and it stays at that setting until the next schedule change

❹**Using Schedule**. 7 day separate four periods daily programmable

❺**Holiday Mode**. Changes temperature setting for a designated number of days.

⚠ **CAUTION**

To prevent compressor and/or property damage, if the outdoor temperature is below 50°F(10°C), DO NOT operate the cooling system

Real Time Setting

Press and hold ⎉ for 5 sec. till the min of time flashes; press ▲ ▼ to set to set your minute.

Then press ⎉ switch to the "hour" and "week day" setting respectively, press ▲ ▼ to set the values.

Programmable Schedule Setting

After the above time setting, touch the icon ⎉ each week day"1 2 3 4 5 6 7" will show along the top of the screen.

press ▲ ▼ to set the time for the 1st period(Awake). Press the icon ⎉ then use the ▲ ▼ arrows to set the temp. for the 1st period. Repeat this process for periods 2-4. Default values set as below:

Schedule Period	Time	Set-Points	
		Heat	**Cool**
Wake	6:00 Am	72℉(22°C)	72℉(22°C)
Leave	8:00 Am	72℉(22°C)	72℉(22°C)
Return	11:30 Am	72℉(22°C)	72℉(22°C)
Sleep	01:30 Am	72℉(22°C)	72℉(22°C)

System Mode Operation

Press ⎉ to select the mode AUTO,COOL,HEAT,OFF,EMER.

HEAT — Thermostat controls the heating system.

OFF — Both heating and cooling systems are off.

COOL — Thermostat controls the cooling system.

AUTO — Thermostat automatically changes between heating and cooling operation, depending on indoor temperature.

EMER — Emergency heat cycles to maintain temperature.

Version 2020-1.0

Programmable Multi-Stage Smart Thermostat

Reference No.: HTW-MT08 Series

Installer Set-Up Process

Turn off the thermostat and press and hold [icon] and [icon] simutaniously for 3 second to enter into Installer Set-Up Process(ISU), press ▲ ▼ to configure values and press [icon] button again to switch to next parameter. Save and Exit ISU by pressing Power button [icon] or wait for 3 seconds.

Parameter items and default value set as below:

Item	Function	Setting Value and Options	Default Value
1	Fan ON / AUTO switch	0=Fan AUTO, 1=Fan ON	0
2	Compensation temperature	-8 °F to 8 °F (-4 °C to 4 °C)	-6 °F(-3 °C）
3	Delay setting for compressor output	1--5 minute	01
4	O/B Reverse Valve	0=O/B terminal energizes in cooling 1= O/B terminal energizes in heating	1
5	Min. Set Temp.	42 °F to 62 °F (5 to 15 °C)	42 °F (5 °C)
6	Max. Set Temp.	62 °F to 122 °F (15 to 45 °C)	122 °F(45°C)
7	12/24 hours format	0=12h 1=24h	1
8	Auto mode switching differential	0 to 5°C(0 to 10 °F)	03
9	Filter change reminder	0--5 (month)	03
A	Standby Backlight Brightness	1 -- 99 (Brightness)	4
B	℉ or °C	0=°C 1= °F	1
C	Dead band Temp.	1 to 5 °C(2 to 10 °F)	1
D	Max. Set Temp.	15 to 45 °C(59 to 113 °F)	45
E	Heat Pump/Conventional System	0=Heat Pump System 1=Conventional System	0

⚠ Important Safety Information

❶ Always turn off power at the main power source by removing the fuse, or switching the circuit breaker to the off position before installing, removing, cleaning, or servicing this thermostat.

❷ Use this thermostat only as described in this manual. Read all of the information in this manual before installing this thermostat.

❸ Use a professional personnel / installer to install this thermostat.

❹ This is a 24VAC/24VDC low-voltage thermostat, do not install on voltages higher than 30 Vac.

❺ ALL wiring must conform to local and national building and electrical codes and ordinances.

❻ Do not short (jumper) across terminals on the gas valve or at the system control to test installation. This will damage the thermostat and void the warranty.

❼ Do not switch the system to cool if the temperature is below 50ºF (10ºC). This may damage the air conditioning system.

❽ Change the Air Filter when the Filter Change Icon begins blinking.

Warranty

- Products are warranted for 2 full year (checking and repairing services) from the date of purchase which products are not being damaged by any man-made factors.
- Service out of the warranty period may incur an extra charge.
- More details please contact with Hotowell directly.

Version 2020-1.0

Wifi Connection

Step 1- Download and Install APP

Use your smart phone or tablet PC to scan the QR code below or Search "**SMART LIFE**" in the app store /Google play to download and install APP .

App Icon

For ios system

For Android system

Step 2- Register your account

- Open "**SMART LIFE**" application, click "Allow" on the pop up notification dialog(fig 2.1)

- Press "register" button on the register page(fig2.2)

- Select your region and type in your phone No. or email (fig 2.3) then you may get a verification code. Type in your password and confirm (fig 2.4) to complete your registration.
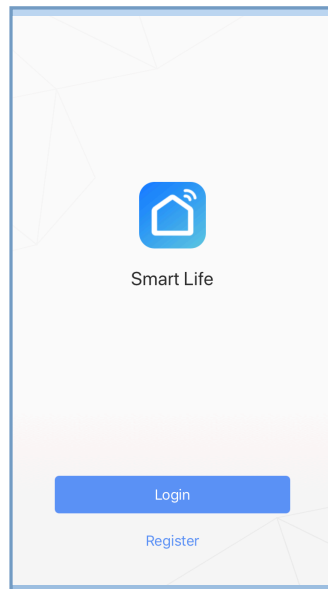
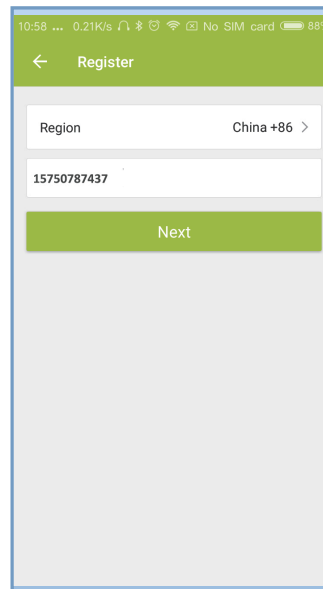- If you already have an account, please just log in.

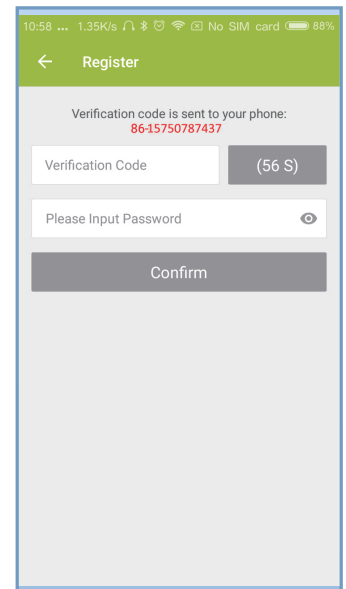|			
"Smart Life" Would Like to Send You Notifications Notifications may include alerts, sounds, and icon badges. These can be configured in Settings. Don't Allow Allow Login Register	Smart Life Login Register	10:58 ... 0.21K/s No SIM card 88% ← Register Region China +86 > 15750787437 Next	10:58 ... 1.35K/s No SIM card 88% ← Register Verification code is sent to your phone: 86-15750787437 Verification Code (56 S) Please Input Password Confirm
fig 2.1	*fig 2.2*	*fig 2.3*	*fig 2.4*

Step 3- Connect App with Thermostat

On the thermostat

During power off status, press and hold the arrow icon ⌄ for 8 sec until the connecting icon 📶 appears on the thermostat screen and flashes once a sec.

Version 2020-1.0

On the App

■ Press the "**+**" on the upper right corner of the page (see Fig 3.1) or **"Add Device"** to add "**Thermostat**".

■ Click "Confirm indicator rapidly blink" (Fig 3.2) then select your network and back to your App to enter the password of your wireless router(Fig.3.3) and confirm.

■ The App will connect with the thermostat successfully. The connecting process takes 5~90 sec, the thermostat name can be editable once connected.(Fig.4.4)
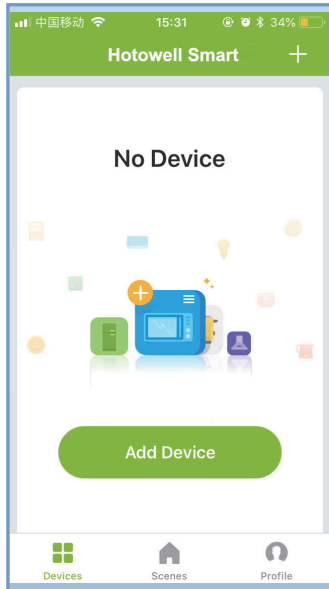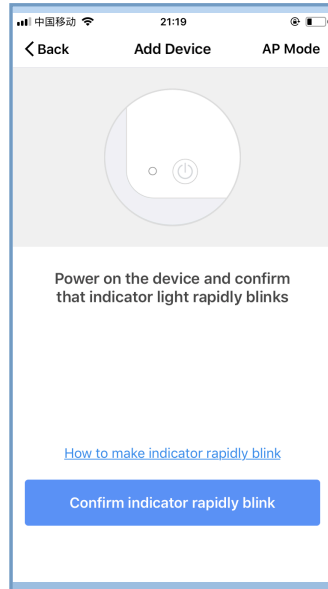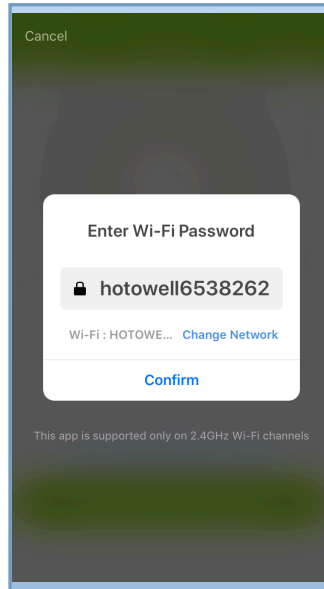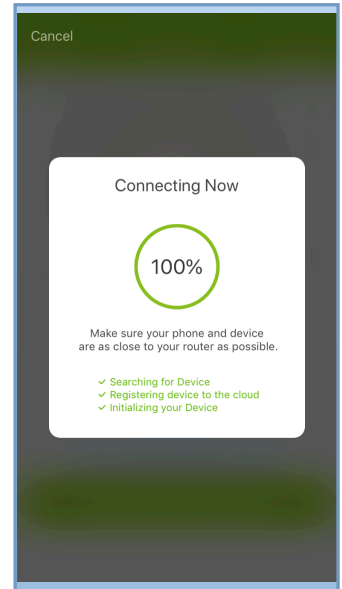
| fig 3.1 | fig 3.2 | fig 3.3 | fig 3.4 |

Alternative AP mode Connection

If the thermostat has already been connected under above steps, please ignore this process.

This **SMART LIFE** App is only supported on 2.4GHz Wi-Fi channels.

If the router does not be supported, or the wi-fi signal is weak or thermostat can not be connected as above steps, please try this AP mode connection process.

On the thermostat

■ During power off status, press and hold the arrow icon for 8 sec until the connecting icon appears on the thermostat screen and flashes once a sec.

■ press and hold the arrow icon for 8 sec again, the icon will flash once per 3 sec.(fig 4.1)

indicates connecting from normal router mode.

Indicates connecting from AP mode.

On the App

■ Click "Confirm indicator slowly blink" (fig 4.1) then select your network and back to your app to enter the password of your wireless router (fig 4.2) and confirm. The app will go into the page(fig 4.3)

■ Press "Connect now" to select the wifi signal Smart life-XXXX from the thermostat(fig 4.3).

■ This AP mode connection process may typically take approx. 5~90 seconds to complete.

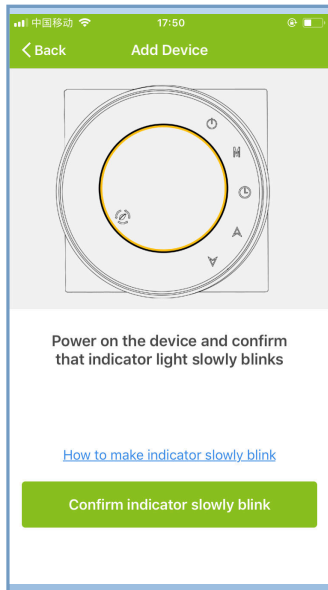■ The thermostat name can be edited after connection (fig 4.4).

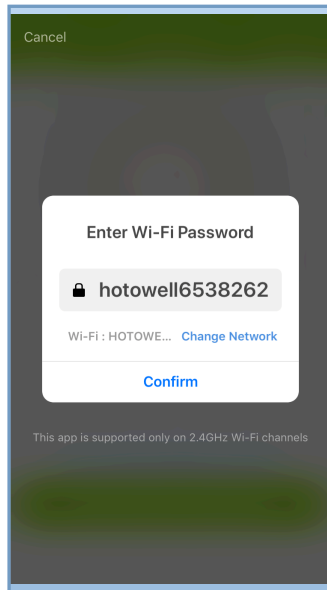*Version 2020-1.0*
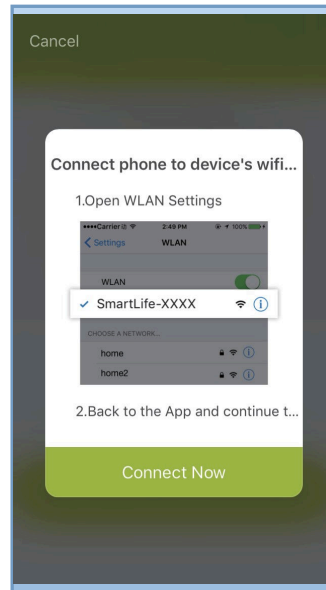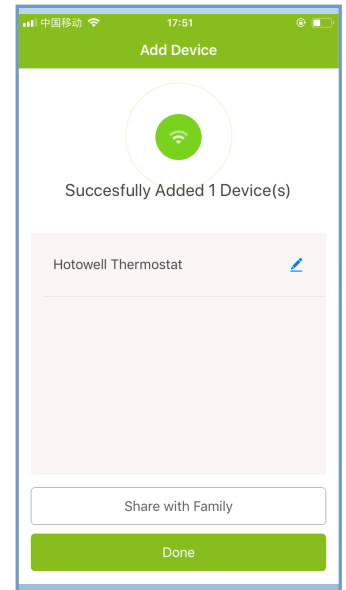
| fig 4.1 | fig 4.2 | fig 4.3 | fig 4.4 |

Operation Icons on APP

App Icons	Functions
⏻	Switch thermostat power On or Off
⟰	Working Mode Selection: Permanent Hold/Temporary Hold/Using Schedule/Holiday Hold.
☰	System Mode Selection: Auto/ Cool/Heat/Emer/Off.
⬡	Set the device name, location, create group and etc.

Programmable Schedule Setting

When thermostat runs in programmable mode, click the setting symbol (at the bottom of the page) to switch to the schedule page, where you can simply configure the weekly programmable schedule up to 4 periods each day. Once your schedule has been set, click on SAVE and the app will send the programming to your thermostat and confirm the schedule has been saved.

Version 2020-1.0
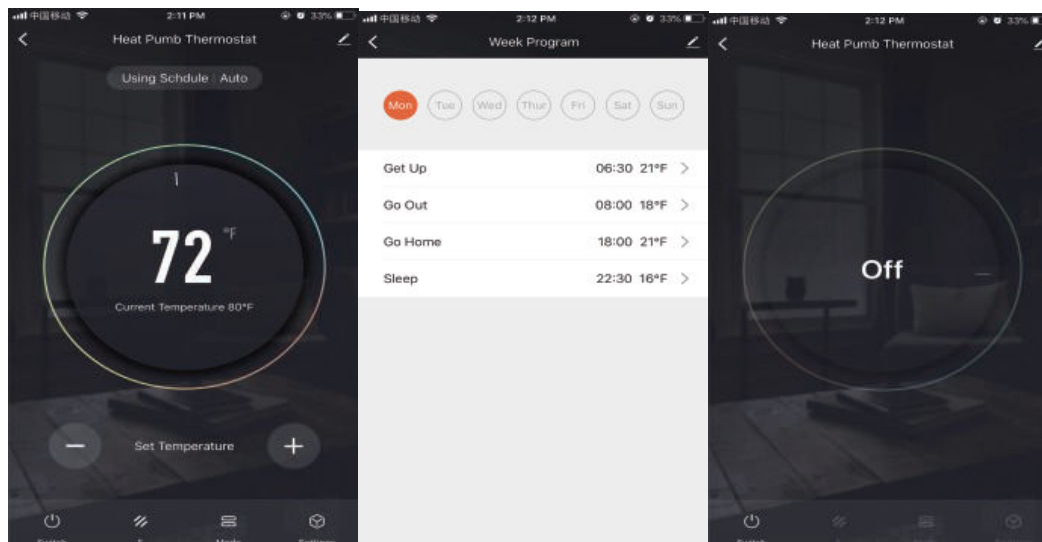
Group Control and Info. Modify

- Press the menu button ✎ as fig 6.1, then click "Create Group". Select all the rooms you want and confirm.(fig 6.2 and fig 6.3), edit the group name or ungroup as fig 6.3
- Group Control allows to control all thermostats(+∞ units) configuration in the group at the same time.
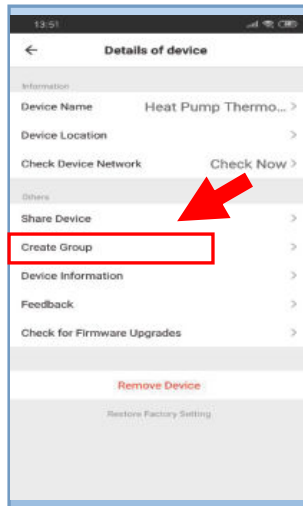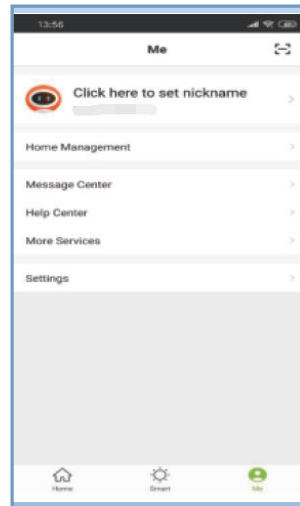

| fig 6.1 | fig 6.2 | fig 6.3 |

Share Thermostat with Others

- Method 1: Click "Share with Familay" as fig 4.4.
- Method 2: Click "Profile">"Sent">"Add">Switch on the device>"Share with New Member">Type in the telephone number you would like to share with.
- Method 3:Home page of the device>Menu(as fig 6.1)>"Device Sharing">"Add">>Type in the telephone number you would like to share with.

Work with 3rd party Echo Control

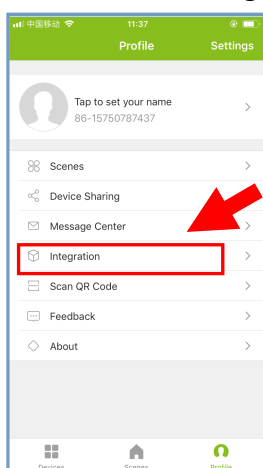Click "Profile">"Integration">Select amazon echo/Google Home/IFTTT>"Use Now"
Details as below fig 7.1 and 7.2.
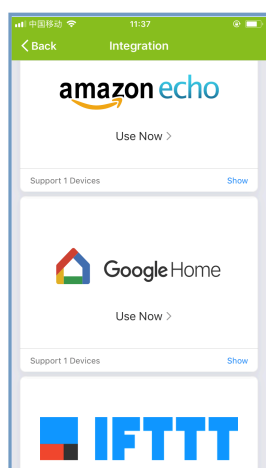

| fig 7.1 | fig 7.2 |

Version 2020-1.0

Customize Scene

- This process is to customize your own personal scenes to suit your needs, for example, set your home temperature automatically when you come back home.
- There are 4 scenes in default setting, and can be added/deleted at will.
- Here set an example of a specific scene: "leave home for holiday" and turn on the thermostat when temperature lower than 5°C
- Scenes(fig 8.1)>+>Enter a name for the scene(fig 8.2)>Add a condition(Below 5°C as fig 8.3)>Add a Task(fig 8.4)>Save
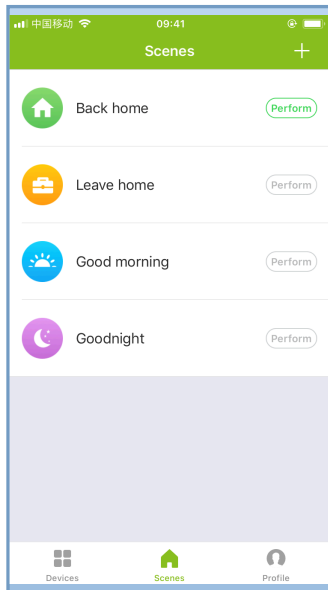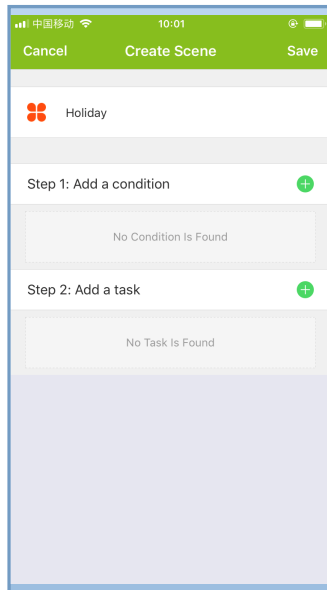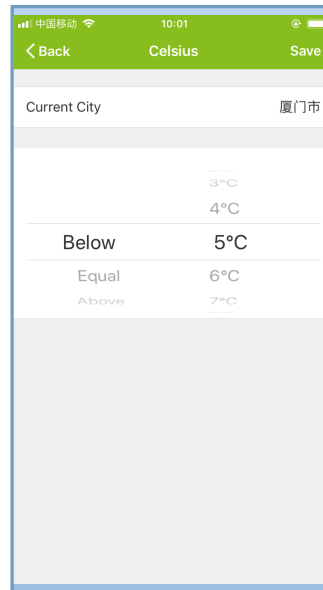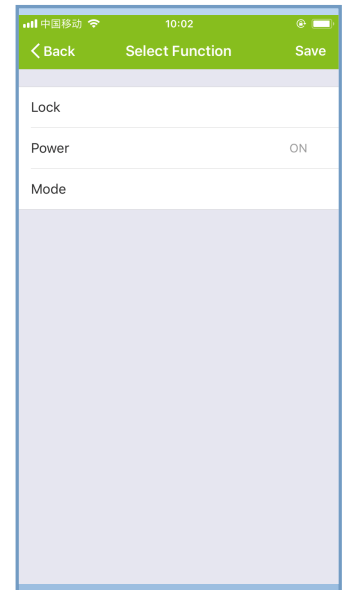
fig 8.1	fig 8.2	fig 8.3	fig 8.4

Trouble Shooting

No.	If…	Then…
1	Power is on but without display.	■ Check if the terminals between LCD panel and Relay/Power Module is loosen.
2	Without output but display works.	■ Use a new LCD panel or new Relay/Power Module for Replacement
3	Room Temp. on display is not correct	■ Do temperature calibration in parameter in ISU
4	Heating system does not respond	■ Set the mode to heating by press-ing the M button. ■ Make sure the temperature is set above the room temperature. ■ Make sure "heat on" icon shows on the display. ■ Wait 5 minutes for the system to respond.
5	The M or Increase/Decrease button doesn't work	■ Make sure keypad is unlocked. ■ Check that thermostat is on.

Notice: Hotowell reserves all the right for the final explanation. The manual is subject to change without further notice.