Heatrite Wifi Thermostat Mobile App Programming Guide Instructions

Wifi Thermostat Mobile App Programming Guide

Preparation required for Wifi Connection:
You will need a 4G mobile phone and wireless router. Connect the wireless router to the mobile phone and record the WIFI password [you will need it when the thermostat is paired with the Wifi),
**Step 1 Download your app**

Android users can search "Smart life" or " Smart RM" on Google Play, 'Phone users can search"Smart life" or " Smart RM" in the App Store.
**Step 2 Register your account**

- After Installing the app, click "register" : Fig 2-1)
- Please read the Privacy Policy and press Agree to proceed to the next step. (Fig 2-2)
- Registration account name uses your Email Or mobile phone number. Select Region, then click "Continue"(Fig 2.3)
- You will receive a 6-digit verification code via email or SMS to enter your phone (Fig 2-4)

- Please set the password, Password must contain 6-20 letters and numbers. Click "Done"(Fig 2-5)

Fig 2-1   Fig 2-2   Fig 2-3   Fig 2-4   Fig 2-5
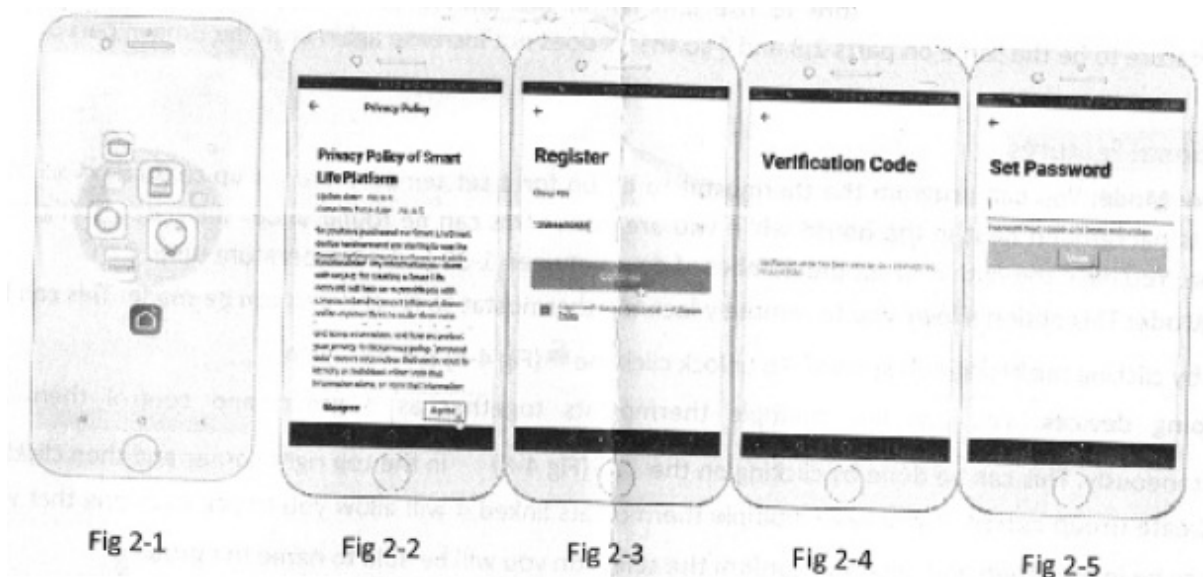
Step 3 Create family information(Fig 3-1)

1. Fill in the family name (Fig 3-2).
2. Select or add a room (Fig 3-2).
3. Set location permission (Fig 3-3) then set thermostat location (Fig 3-4)

Fig 3-1   Fig 3-2   Fig3-3   Fig 3-4
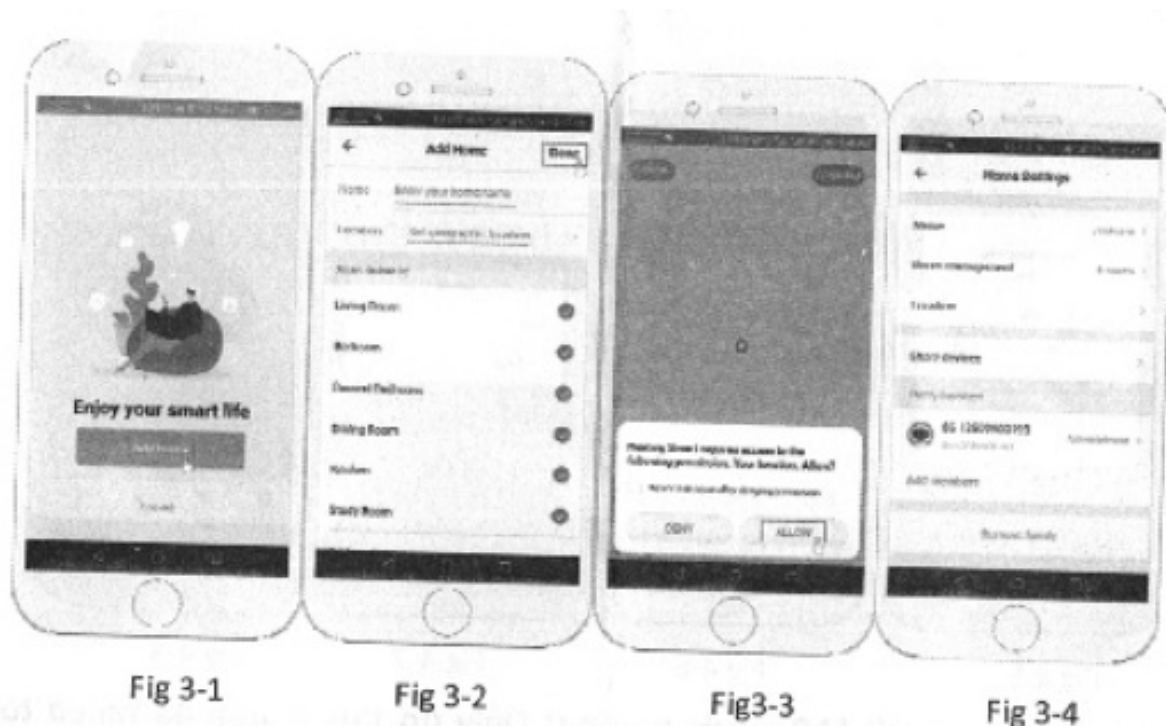
Step 4 Connect your Wi-Fi signal (EZ distribution mode)

1. Go to your Wifi setting on your phone and make sure you are connected via 2.4g and not 5g. most modern routers have 2.4g & 5g connections. 5g connections do not work with the thermostat.
2. On the phone press "Add Device" or "÷" in the upper right corner of the app to add the device (Fig 4-1) and under the small appliance, section select the device type "Thermostat" (Fig 4-2)

3. With the thermostat powered on, press and hold ![SET icon] anc ![OK icon] Isat the same until both icons(![wifi icon]) flash to indicate the EZ distribution made. This can take between 5-20 seconds.

4. On your thermostat confirm ![wifi icon] icons are rapidly blinking and then go back and confirm this on your app. Enter the password of your wireless router this is case sensitive (fig 4-4) and confirm. The app will connect automatically (Fig 4-5) This may typically take up to 5-90 seconds to complete.

If you get an error message make sure you have entered your correct Wi-Fi password (case sensitive typically found on the bottom of your router) and that you are not on your Wi-Fi's 5G connection. Your room name can be edited when the device is connected,

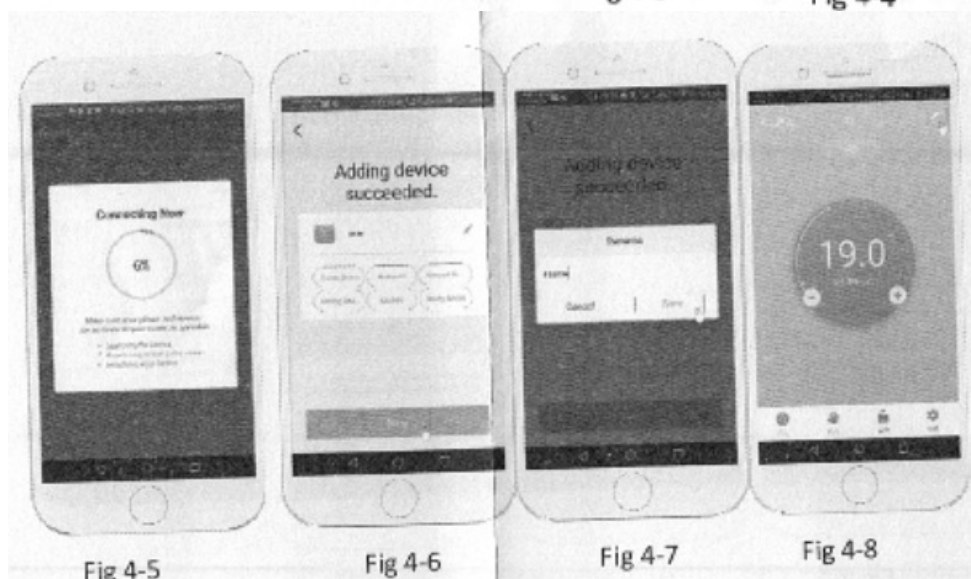

Fig 4-1   Fig 4-2   Fig 4-3   Fig 4-4

Fig 4-5   Fig 4-6   Fig 4-7   Fig 4-8

Step 4b (Alternative method) (AP mode pairing) Only do this if step 4a failed to pair the device

1. On the phone press "Add Device" or "+" in the upper right corner of the app to add the device (Fig 4-1) and under the small appliance, section selects the device type "Thermostat" and click AP Mode in the top right corner. (Fig 5-1)

2. On the thermostat, press power on and then press and hold ![SET icon] and ![OK icon] until ![icon] flashes. This can

take between 5-20 seconds. If ⚡ also flashes release buttons and press and hold [SET/⁝⁝⁝] and [OK/⚙] again until just 🖫 flashes.

3. On the app click "confirm light is blinking", then enter the password of your wireless router (fig 4-4)

4. Press "Connect now" and select the Wifi signal (Smartlife-XXXX) of your thermostat (Fig 5-3 and 5-4) it will say Internet may not be availably and ask you to change network but ignore this.

5. Go back to your app and click "Connect" then the app will connect automatically (Fig 4-5)

This may typically take up to 5-90 seconds to complete and will then show confirmation (Fig 4-6) and allow you to change the thermostat name (Fig 4-7)

Fig 5-1   Fig 5-2   Fig 5-3   Fig 5-4
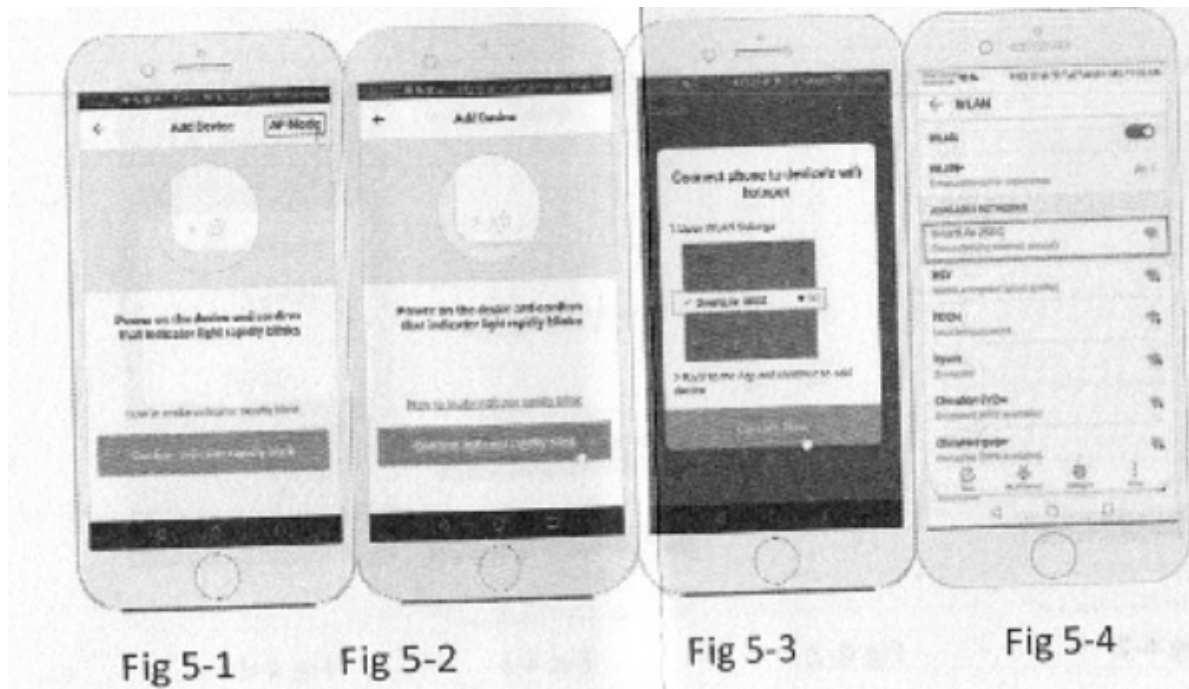
Step 5 Changing sensor type and temperature limit

Press the setting key ⚙ (Fig 4-8) in the bottom right-hand corner to bring up the menu.
Click the Sensor type option and enter the password (normally 123456). Then you will be given 3 options:

1. "Single built-in sensor" will only use the internal air sensor (DO NOT USE THIS SETTING*)

2. "Single external sensor" will only use the floor probe (ideal for bathrooms where a thermostat is installed outside the room).

3. "Internal and external sensors" will use both sensors to read the temperature (The most common option). Once you have chosen the sensor type, check that the "Set temp. max" option is set to a suitable temperature for your flooring (typically 45Co)

*A floor probe must always be used with electric underfloor heating to protect the flooring.
Step 6 Programming daily schedule

Press the setting key ⚙ (fig 4-8) in the bottom right-hand corner to bring up the menu, at the bottom of the menu there will be 2 stand-alone options called "week program type" and "weekly program setting". "Week program" type allows you to choose the number of days the schedule applies to between 5+2 (weekday+weekend) 6+1 (Mon-Sat+Sun) or 7 days (all week).
The "Weekly Program" setting allows you to choose the time and temperature of your daily schedule at varying points. You will have 6 options of times and temperatures to set. See the example below.

Part 1	Part 2	Part 3	Part 4	Part 5	Part 6
Wake up	Leave Home	Back Home	Leave Home	Back Home	Sleep
06:00	08:00	11:30	13:30	17:00	22:00
20°C	15°C	20°C	15°C	20°C	15°C

If you do not need the temperature to rise and fall in the middle of the day then you can set the temperature to be the same on parts 2,3 and 4 so that is does not increase again, until the time in part 5.

Contents

Additional Features

Holiday Mode: You can program the thermostat to be on for a set temperature of up to 30 days so that there Is background heat in the house while you are away. This can be found under the mode ✋(fig 4-8) section. You have the option to set the number of days between 1-30 and a temperature up to 27t.
Lock Mode: This option allows you to remotely lock the thermostat so no changes can be made. This can be done by clicking the 🔒(Fig 4-8) symbol. To unlock click the 🔒(Fig 4-8) symbol again.
Grouping devices: You can link multiple thermostats together as a group and control them all simultaneously. This can be done by clicking on the ✏️(Fig 4.8) In the top right corner and then clicking the Create Group option. If you have multiple thermostats linked it will allow you to tick each one that you want to be in the group and once you confirm the selection you will be able to name the group.
Family Management: You can add other people to your family and allow them to control the devices you have linked. To do this you need to go back to the home page and click on the family name in the top left corner and then click on Family Management. Once you have selected the family you wish to manage there will be an option to Add Member, you will need to enter the mobile number or email address they have registered the app with to send them an invitation. You can set whether or not they are an administrator which allows them to make changes to the device ie removing it.

WIFI Thermostat Technical Manual

product specification

- Power: 90-240Vac 50ACIFIZ
- Display accuracy:: 0.5'C
- Contact capacity: 16A(WE) /34(WW)
- Range of temperature display0-40t ic
- Probe sensor:: NTC(10k)1%

before wiring and installing

1. Read these instructions carefully. Failure to follow them could damage the product or cause a hazardous

condition.

2. Check the ratings given in the instructions and on the product to make sure it is suitable for your application.

3. The installer must be a trained and qualified Electrician

4. After installation is complete check operation as per these Instructions

⚠ LOCATION

5. Disconnect the power supply before installation to avoid electrical shock or equipment damage.

start up

Where possible you should set up the Wifi by using the attached manual. If unable to do so please see the guide below.

When you turn on the thermostat for the first time you will need to set the time and also the number that corresponds to the day of the week (1-7 starting from Monday). This can be done by following the steps below:

1. Press the `OK/⚙` 'button and the time in the pap left corner will start flashing.

2. Press △ ort to get to the desired minute and then press `OK/⚙`

3. Press r or: △ to get to the desired hour and then press: `OK/⚙`

4. Press ' or △ to change the day number. 1=Monday 2- Tuesday 3=Wednesday 4=Thursday

5. Friday 6=Saturday 7=Sunday – Once you have selected the day press `OK/⚙` to confirm

You will now be ready to set the temperature. This can be done by pressing or I The set temperature is displayed in the top right corner.

It is recommended to start out at a low temperature and increase the temperature by 1 or 2 degrees a day until you reach comfortable heat. This only needs to be done once.

Please see the operation key list which shows all the additional functions per button. These can all be controlled via the mobile app if you have paired your device (see attached pairing instructions)

Always check that the temperature limit for the floor probe is set to a suitable temperature for your flooring (typically 45r). This can be done in the advanced setting menu A9 (see next page)

Displays
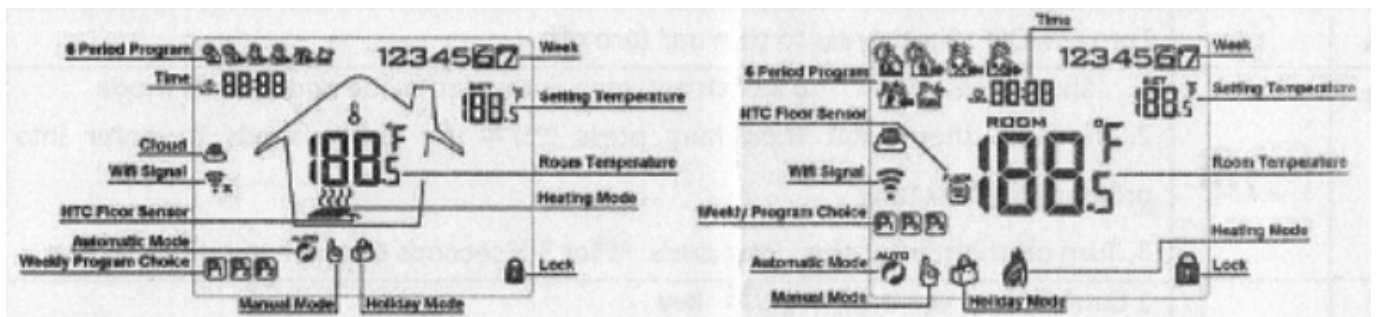
Description of icon

![Auto mode icon]	Auto mode; run preset prcgram
![Temporary manual mode icon]	Temporary manual mode
![Holiday mode icon]	Holiday mode
![Heating icon]	The heating, icon disappears to stop heating:
![WIFI icon]	WIFI connection, flashing = EZ distribution mode
![Cloud icon]	Cloud icon: flashing = AP distribution network mode
![Manual mode icon]	Manual mode
![Clock icon]	Clock
![Wifi disconnection icon]	Wifi status: Disconnection
![External NTC sensor icon]	External NTC sensor

![Child lock icon]	Child lock

Wiring Diagram

Electric heating wiring diagram (16A)
Connect the heating mat to 1 & 2, connect the power supply to 3 & 4 and connect the floor probe to 5 & 6.1f you connect it wrongly, there will be a short circuit, and the thermostat may become damaged and the warranty will be invalid.
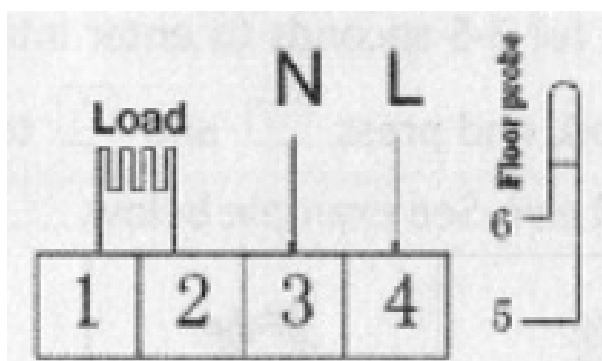

Water heating wiring diagram (3A)
Connect the valve to 1&3(2 wire close valve) or 2&3 (2 wire open valve) or 1&2&3(3 wire valve), and connect the power supply to 3&4.

AC90-240V 50/60Hz
Imax: 3A
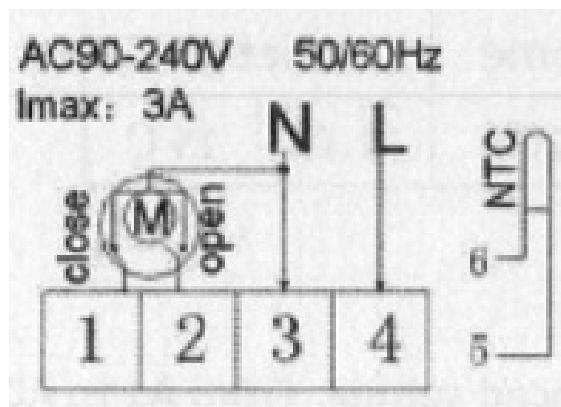
Water heating and gas wall-hung boiler heating
Connect the valve tc]&3(2 wire close valve) or 2&3 (2 wire open valve) or 1&2&3(3 wire valve), connect the power supply to 3&4, and connect

AC90-240V 50/60Hz
Imax: 3A
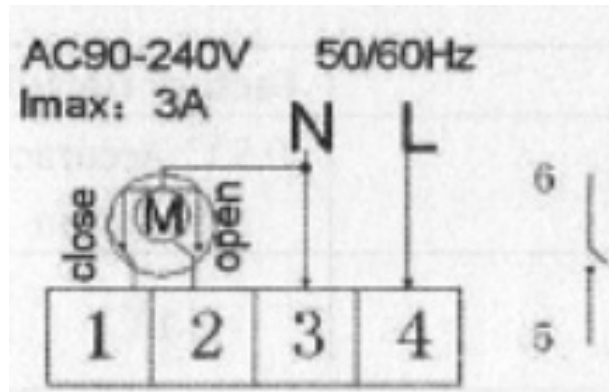
the gas boiler to 5&6.If you connect It wrongly, there will be Short circuit, our gas boiler board will be damaged

potation key

NO	symbols	represent
A	⏻	Turn-ON/OFF: Short press to turn on/ turn off
B	SET/▦	1. Short press!I SET/▦ to switch between automatic mode and manual mode 2. Turn on the thermostat then; long press SET/▦ for 3-5 seconds to enter into programmable setting 3. Turn off the thermostat then long-press 'For 3-5 seconds to enter the advanced setting
C	OK/✿	1 Confirm key: use it with SET/▦ key 2 Short press it to set time 3 Turn on the thermostat then long-press it for 3-5seconds to enter the holiday mode setting. Appear OFF, press ▽ or △ change to ON, then press OK/✿ to confirm activation of holiday mode
D	▽	1 Decrease key 2 Long press to lock /unlock
E	△	1 Increase key : 2 long press to display external sensor temperature 3 In the Auto mode, press ▽ or △ enter to temporary manual mode

Programmable

5+2 (factory default), 6+1, and 7-day models contain 6 time periods to automate. In the advanced options choose

a number of days required, when power is on then long-press [SET/⋮⋮⋮] for 3-S seconds to enter into

programming mode. Short press [SET/⋮⋮⋮] to choose: hour, minute, time period, and press [▽] and [△] to adjust
data. Please note after about 10 seconds it will automatically save and exit. See the example below.

Wake Up		Leave Home		Back Home		.eave Home		Back Home		Sleep	
6:00	2 0 E	8:00	15-c	11:30	1 2 0 1 0	_3:30 l 1st 1	17:00	20°C	22:00	1.5C

The optimum comfort temperature is 18. (2-22.C.

Advanced options

When the thermostat is off long press 'TIM for 3- seconds to access the advanced setting. From Al to AD, short
press to choose the option, and adjust data by A , It, short press to switch next option.

NO	Setting Options	Data Setting Function	Factory Default
Al	Measure Temperature Calibration	-9-+9°C	0.5t Accuracy Calibration
A2	Temperature control re: urn difference setting	0.5-2.5°C	1°C
A3	External sensors limit temperature control return difference	1-9°C	2°C

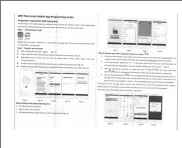| A4	Options of the sensor control	N1:Built-in sensor (high-temperature protection close) N2:External sensor (high-temperature protection close) 1%13:Built-In sensor control temperature ,external sensor limit temperature (external sensor detect the temperature is higher than the highest the temperature of an external sensor, the thermostat will disconnect relay, turn off load)	NI
AS	Children lock setting	0:half lock 1:full lock	0
A6	The limit value of high temperature for external sensor	1.35.cg0r 2. Under 357, screen display【--】, high-temperature protection was canceled	45t
Al	The limit value of low temperature for external sensor(anti-freeze protection)	1.1-107 2. Exceed 10°C, screen display【--】 Low-temperature protection was canceled.	S7
AS	Setting temperature lowest limit	1-lot	5t
A9	Setting temperature highest Limit	20-70'7	35t
1	Descaling function	0:Close descaling function 1:Open descaling function (valve is continuously closed over 100 hours, it will be opened for 3 minutes automatically)	0:Close descaling function
AB	Power with memory function	0:Power with memory function 1:Shutdown power after power off 2:Shutdown power after power on	0:Power with memory function
AC	Weekly programming selection	0: 5+2 1: 6+1 2: 7	0: 5+2
AD	Restore factory defaults	Display A o, press ⌷⌧/ key whole show	

Sensor fault display: Please choose the correct setting of a built-in and external sensor (option Ad), If chosen wrongly or if there is a sensor fault (breakdown) then the error "El" or "E2" will be displayed on the screen. The thermostat will stop heating until the fault is eliminated.

Installation Drawing
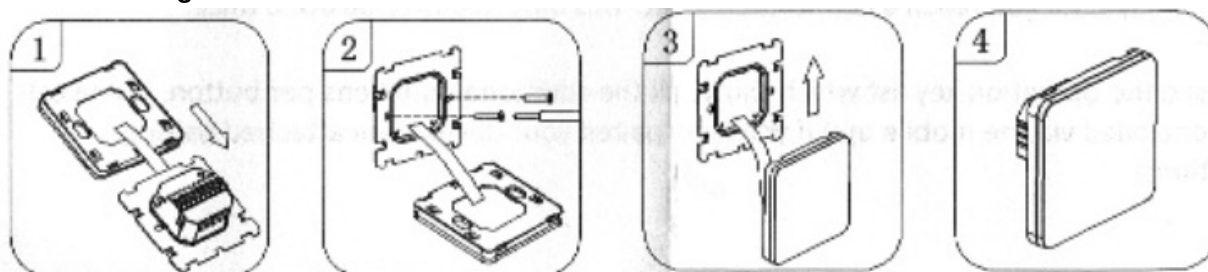
Documents / Resources

	Heatrite Wifi Thermostat Mobile App Programming Guide [pdf] Instructions Wifi Thermostat Mobile App Programming Guide, Mobile App Programming Guide, Programming Guide