## Smart Thermostat

### DIMENSIONS (mm)

51 · 51 · 60 · 87 · 26 · 16 · 42 · 87

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## INSTALLATION AND WIRING INSTRUCTIONS

**1**
Loosen fixing screw located in the bottom of the thermostat to get the front panel.

**2**
Connect the thermostat according to the Wiring Instruction.

**3**
Insert the back panel into wall box with provided screws.

**4**
Align top part of front panel and back panel to fit these two parts. Then fix them with screw.

**NOTE:** Thermostat should be mounted in a 35mm deep single gang back box

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## PAIRING METHOD 2 — Connecting WIFI stats using AP mode

**Step 1**
On the thermostat press and hold the UP and DOWN arrow together until F2 appears, If the code F1 appears release the UP and Down arrows and repeat the steps. Please note F2 will disappear from the screen and the WiFi icon will begin to flash slowly.

**Step 2**
Ensure you are connected to your WiFi network. Download and install the Smartlife app in your app store and register your details.

**Step 3**
Press add device or the '+' to load up different devices. Click small home app on the left hand side and scroll down the options to thermostat (WiFi). Press thermostat (WiFi).
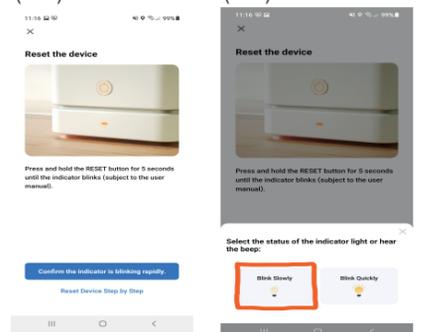
**Step 4**
Enter the WiFi password to connect to designated WiFi If designated WiFi is not displayed, press the arrow button to change WiFi connection.

**Step 5**
Press 'Confirm Indicator Is Blinking' and choose blinking slowly. (Flashing Wifi Symbol)

**Step 6**
Continue following steps that appear on screen pressing the blue button "Go to Connect" this will open your Phones WiFi Settings. Select WiFi hotspot named SMARTLIFE-XXXXX, once connected to SMARTLIFE-XXXXX return back to the ProTouch

**Step 7**
When connection is successful, you can edit the name and details of the thermostat with the pencil button. Once done, thermostat will be ready to use with the app.

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## PAIRING METHOD 1

Note: If you have multiple thermostats that require pairing, please turn all other devices off except the one you are trying to pair. Once paired this device can be left on whilst pairing another one.

On the thermostat you should see the WIFI symbol flashing fast (2-3 times per second). If the symbol is not on the screen press and hold the △ and ▽ arrows for 3 seconds you should see F1 Appear. If F2 appears, repeat until F1 appears. The WIFI symbol should now begin to flash.

**Step 1**
Ensure you are connected to your WiFi network. Download and install the Smartlife app in your app store and register your details.

**Step 2**
Press add device or the '+' to load up different devices. Click small home app on the left hand side and scroll down the options to thermostat (WiFi). Press thermostat (WiFi).

**Step 3**
Enter the WiFi password to connect to designated WiFi If designated WiFi is not displayed, press the arrow button to change WiFi connection.

**Step 4**
Press 'Confirm Indicator Is Blinking' and choose 'Blinking Quickly'. (Flashing Wifi Symbol)

**Step 5**
When connection is successful, you can edit the name and details of the thermostat with the pencil button. Once done, thermostat will be ready to use with the app.

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## WIRING INSTRUCTIONS

Ensure power is disconnected when wiring!

Suggestion: Please keep the max load around 90% of 16A to prolong the lifetime.

IP 21

MAX LOAD:   16A

POWER 85V-265V 50/60Hz

FLOOR SENSOR

N1 · N · L · L1 · S2 · COM · S1

NB: No Polarity on floor sensor terminals

FLOOR SENSOR

POWER

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## PAIRING YOUR THERMOSTAT TO YOUR APP

Smartlife app available from:

**App Store** · **Google Play**

First download the Smartlife - Smart Living App from APP store or Google Play.

You should see the following App icon:

Once downloaded you will need to create an account via email and log in to the App.

You Must ensure that the App has permission to access your location on your phone settings. The App will ask you this when you install it.

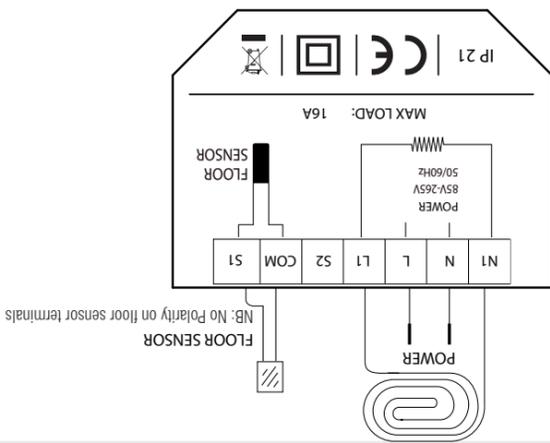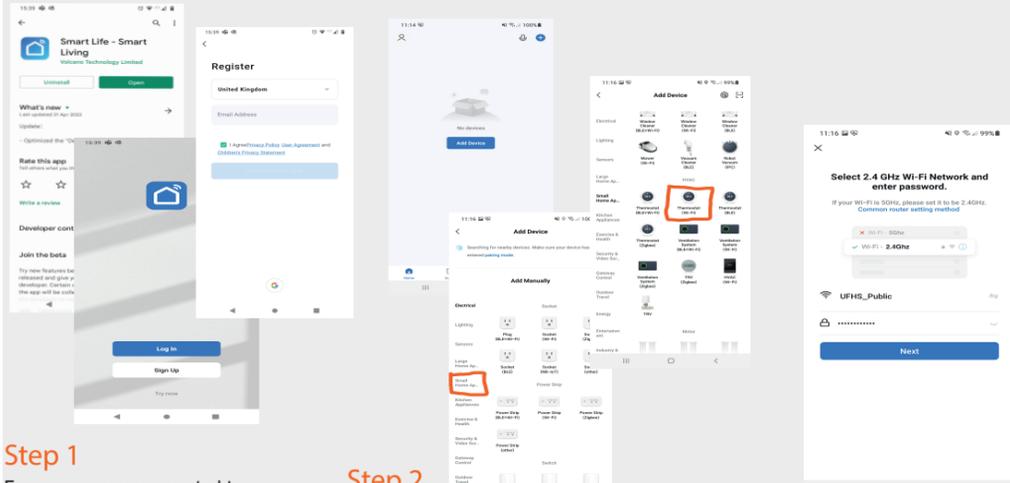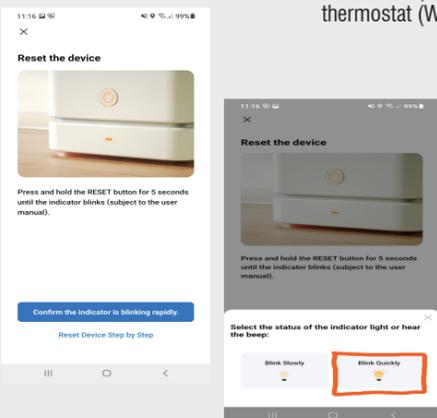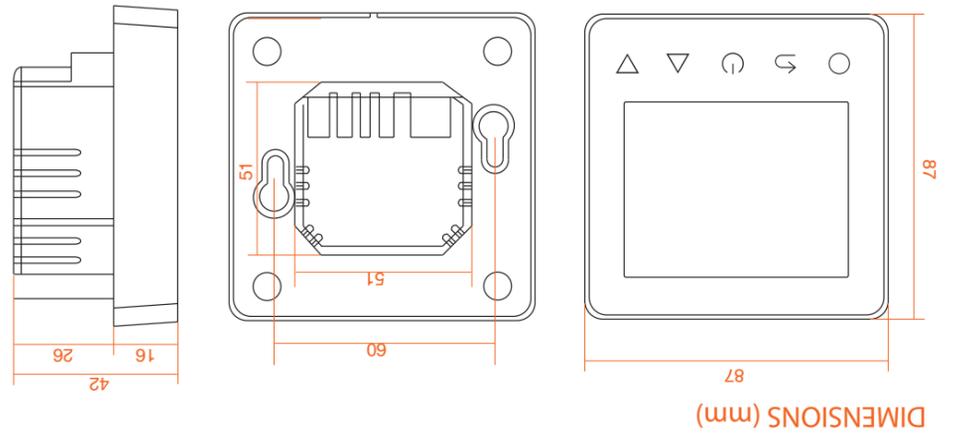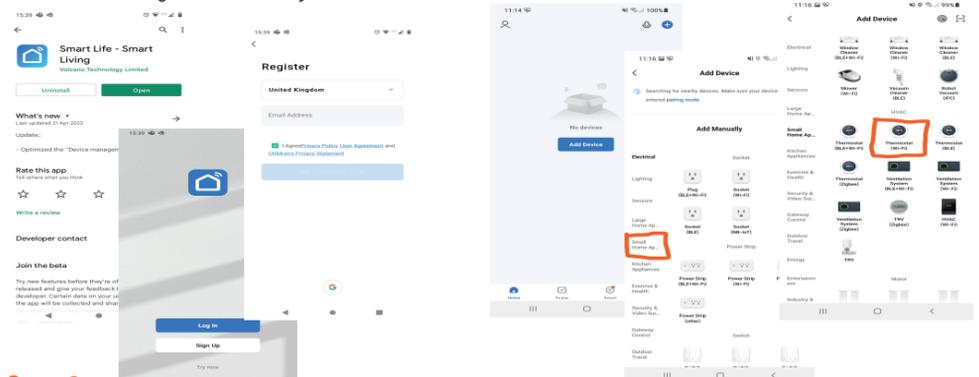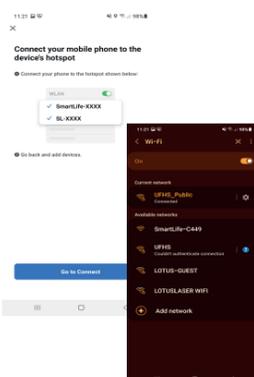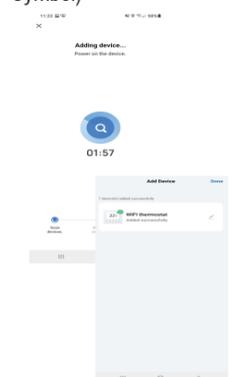Please also ensure you are connected to your household WIFI during this process.

**THERE ARE TWO PAIRING METHODS.**
**IF METHOD ONE DOES NOT WORK PLEASE ATTEMPT PAIRING METHOD TWO**

## THERMOSTAT DESCRIPTION

The nTouch WiFi is a smart thermostat used to control your electric floor heating system or water heating system. It will keep your home at comfortable temperature whilst minimizing energy use. Install the app on your smart phone to control your heating system remotely with the WiFi thermostat.

## Smart Thermostat

### MAIN FUNCTIONS

- ✔ Power consumption monitor (in APP)
- ✔ Holiday function
- ✔ Time display
- ✔ Hold function
- ✔ Key-lock
- ✔ Open window detection
- ✔ Off time frost protection
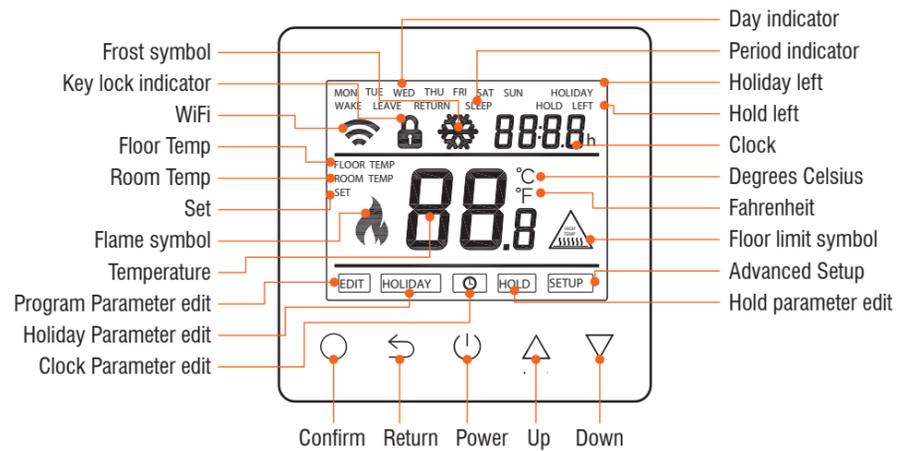- ✔ Floor temperature limitation
- ✔ Optimum start

### THERMOSTAT DESCRIPTION

TECHNICAL SPECIFICATION
Supply voltage: 50/60Hz 220-240V AC
Max load: 16A
Standby power: < 2W IP rating: IP21
Max wire diameter: ≤2.5mm²

### DISPLAY SYMBOLS

Frost symbol
Key lock indicator
WiFi
Floor Temp
Room Temp
Set
Flame symbol
Temperature
Program Parameter edit
Holiday Parameter edit
Clock Parameter edit

Day indicator
Period indicator
Holiday left
Hold left
Clock
Degrees Celsius
Fahrenheit
Floor limit symbol
Advanced Setup
Hold parameter edit

Confirm   Return   Power   Up   Down

## FUNCTION & USER OPERATION

Press ⏻ to turn on/off

Note: When frost protection mode is active, the thermostat will maintain the frost protection temperature when in power 'off' mode.

**Set the Time**

In normal timed power 'on' mode, Press O and the CLOCK symbol will flash.

Press O again to enter day set.

Press △ or ▽ to set day.

Press O to confirm and enter hour set.

Press △ or ▽ to set hour.

Press O to confirm and enter minute set.

Press △ or ▽ to set minute.

Press O to confirm then press ⮌ to revert to normal screen.

Note: The WiFi version updates the time automatically when connected to internet.

**Temporarily override temperature**

In normal timed power 'on' mode, press △ or ▽ to change the current period temperature setting. The new set temperature will flash for 30 seconds. The thermostat will revert to the normal programmed setting at the start of the next time period.

**Key-lock**

Setting Key-lock can prevent children and others from switching thermostat parameters. In normal timed power 'on' mode, press ⮌ for 3 seconds to lock the thermostat and again for 3 seconds to cancel.

**Holiday mode**

The thermostat will maintain frost protection temperature until the holiday days ends.

In normal timed power 'on' mode, press O to enter setting.

Press △ or ▽ to select HOLIDAY.

Press O to enter holiday days set.

Press △ or ▽ to set holiday days .

Press O to confirm and return to the normal screen.

Note: In holiday mode, 'HOLIDAY LEFT' and the days remaining will show on display.

Set the holiday days to 0 to cancel holiday mode.

**Hold mode**

The thermostat will maintain a 'Hold Temperature' permanently until the unit is changed back to smart mode or until Hold Mode is turned off.

1. In normal Power 'on' mode, Press O to enter bottom menu.
2. Press △ or ▽ to move across to HOLD.
3. Press O to enter Hold function settings.
4. Press △ or ▽ to change Hold Mode to 'ON'.
5. Press O to confirm and the temperature will now flash.
6. Press △ or ▽ to change the number to the desired temperature (we recommend between 24-27deg for a comfortable floor temperature).
7. Press O to confirm and the thermostat will revert to the home screen. HOLD should show on the display.

To turn hold mode OFF, repeat steps 1-4, but in step 4 set the hold mode to OFF instead of ON followed by the 'O' to confirm.

**Timer setting**

Each day of the week has 4 time periods,you should allot a temperature to each time period. Set the temperature above room ambient temperature and the heating will come on until the desired temperature is reached, or, set the temperature low and the heating will not come on during that time period. The default settings are shown in the table below.

In normal timed power 'on' mode, press O to enter setting.

Press △ or ▽ to select EDIT.
Press △ or ▽ to select the day to be set.
Press △ or ▽ to select the period to be set.
Press △ or ▽ to select start time hour.
Press △ or ▽ to select start time minute.
Press △ or ▽ to select temperature.

Press O to enter day selection.
Press O to enter period selection.
Press O to enter start time set.
Press O to enter minute set.
Press O to enter temperature set.
Press O to confirm and move on to next time period.
Press ⮌ to revert to normal screen.

Period parameter table (Default)

| Day | Wake | Leave | Return | Sleep |
|---|---|---|---|---|
| Mon - Fri | 07:00  22℃ | 08:30  19℃ | 17:00  22℃ | 22:00  19℃ |
| Sat - Sun | 08:00  22℃ | 08:30  22℃ | 17:00  22℃ | 22:00  19℃ |

| No. | Name | Default value | Ranges |
|---|---|---|---|
| 1 | Room temperature calibration | 0℃ | - 5℃ -- 5℃ |
| 2 | Floor temperature calibration | 0℃ | - 5℃ -- 5℃ |
| 3 | Frost protection mode | ON | OFF/ON |
| 4 | Frost protection temperature | 5℃ | 5℃ -- 15℃ |
| 5 | Sensor selection | 01: Floor sensor | 00: Built-in sensor<br>01: Floor sensor<br>02: Both sensors |
| 6 | Floor temperature limit(both sensors) | 30℃ | 20℃ -- 50℃ |
| 7 | Temperature unit | 00: ℃ | 00: ℃<br>01: ℉ |
| 8 | Output delay | 00: 00s | 00: 00 s<br>01: 30 s<br>02: 60 s<br>03: 90 s |
| 9 | Switching Differential | 01: 1.0℃ | 00: 0.5℃<br>01: 1.0 ℃<br>02: 2.0 ℃<br>03: 3.0 ℃ |
| 10 | Reverse output | 00: OFF | 01: ON<br>00: OFF |
| 11 | Schedule | 00: 7 | 00: 7<br>01: 5+1+1 |
| 12 | Adaptive function | 00:OFF | 00: OFF<br>01: ON |
| 13 | Reset | 00: No | 00: No<br>1: YES |

## ⚙ ADVANCED SETTING

1. Room temp calibration: Calibrate the temp detected by room sensor.

2. Floor temp calibration: Calibrate the temp detected by floor sensor.

3-4. Frost Protection Mode: Frost protection allows the thermostat to turn on if the temperature drops below 5 degrees even when it is not programmed to.  displays when you turn off the thermostat.

5. Sensor selection:
00 Room sensor: Run by room sensor.
01 Floor sensor: Run by floor sensor.
02 Both sensors: Run by room sensor with floor temp limit.

6. Floor temp limit: If you choose both sensors, floor limit must be set to protect floor.

7. Temp unit: ℃ and ℉ can be selected.

8. Output delay: This option help you avoid inadvertent operation on heating.

9. Switching Differential: The number of degrees the temperature has to change before the unit switches on/off. The default is 1 degree so if the temperature is set to 21 degrees the thermostat will switch on at 20.5 degrees and off at 21.5 degrees. 0.5 degrees either side of 21.

10.Reverse output: This function is designed to operate cooling systems. The unit will click on when the room is too hot and click off when the room has cooled down.

11. Schedule: Select a weekly schedule for the Edit. There are 2 options:
7: each day from Mon to Sun can be set individually.
5+1+1: 5 days from Mon to Fri have the same events, Sat and Sun can be set individually.

12. Adaptive function: After several days of installation and use, Adaptive function ensures that the required temp has already been reached when the next event begins.

13. Reset: All parameters are restored to default values.

## ⚙ ADVANCED SETTING (Please refer to table above)

Caution: These are normally set by technicians during initial installation.

In normal timed power 'on' mode, press O to enter setting.

Press △ or ▽ to select SETUP.

Press O to enter advanced setting. Each parameter can be accessed by pressing O and adjust the values as required using the arrow keys. (The default values are recommended and changing these may adversely affect the way the thermostat works). Press ⮌ to revert to normal screen.

**Open window detection**

This function only works when room sensor or both sensors is selected. The thermostat with this function will shut off automatically for 15 min when the window opens, as it can detect that the room temp plummets..

## TROUBLESHOOTING

Fault Codes

E1 = Built-in sensor short-circuit or disconnected.

E2 = Floor sensor short-circuit or disconnected.

Note: Should a sensor fault display, please contact us for assistance.