

Sangamo  
**CHSTAT3CHK 3Ch  
Programmable  
Thermostat with  
RF and WiFi**



## Sangamo CHSTAT3CHK 3Ch Programmable Thermostat with RF and WiFi Instructions

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# Sangamo

**Sangamo CHSTAT3CHK 3Ch Programmable Thermostat with RF and WiFi**



## Product Specifications

- **Brand:** Sangamo
- **Model:** CHSTAT3CHK
- **Description:** Sangamo 3Ch Programmable Thermostat with RF and WiFi White

## Product Usage Instructions

### Receiver Overview & Thermostat Pairing

1. Follow the LED indicators and buttons for each thermostat.
2. For Thermostat 1 and Thermostat 2, follow the specific pairing instructions provided.
3. If needed, manually pair thermostats to the receiver using the code pairing mode.

### Wi-Fi Configuration

1. Ensure your smartphone is connected to the desired Wi-Fi network.
2. Download the ClickSmart+ App on your device.
3. Sign in or register on the app.

### Installation Instructions

1. In the app, select the device and follow the on-screen instructions for pairing the receiver to the Wi-Fi network.

### Thermostat Overview

1. Turn on the thermostat and set the clock by pressing and holding the M button for 3 seconds.
2. Adjust the minute, hour, and weekday settings as needed.

## Frequently Asked Questions

**Q: How do I reset the thermostat to factory settings?**

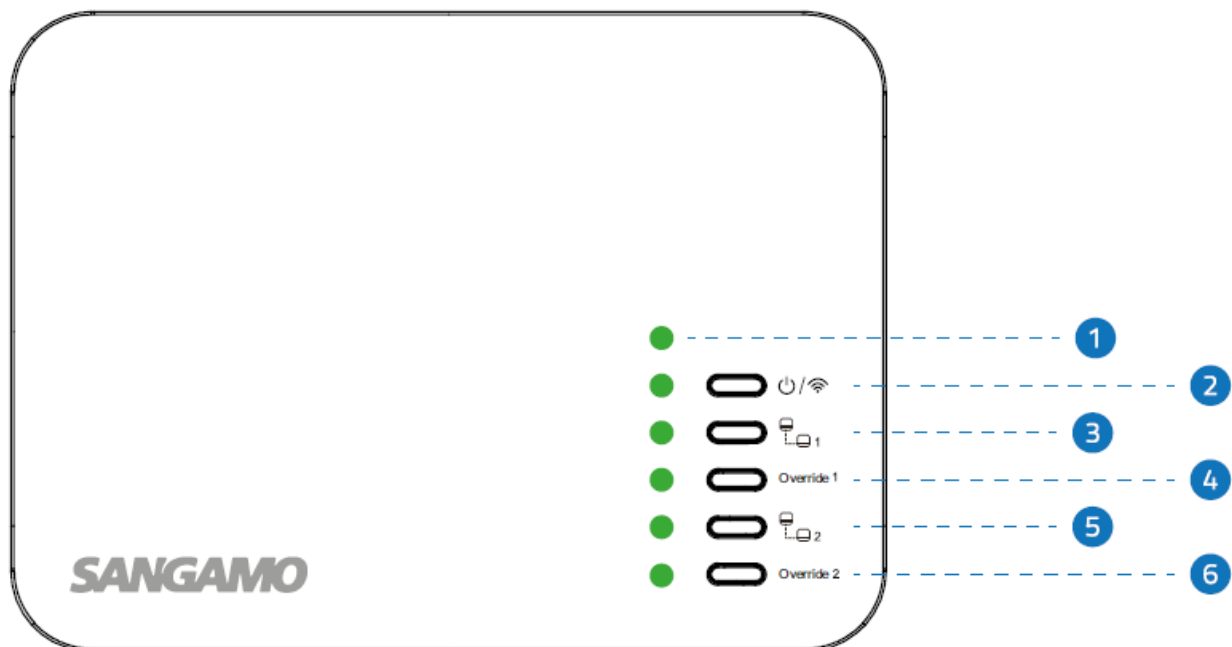
**A:** To reset the thermostat, press and hold the reset button for 10 seconds until the display shows “RST”.

### Q: Can I control multiple zones with this thermostat?



**A:** Yes, this thermostat supports multiple zones for heating and hot water control. Refer to the manual for setup instructions.

### Functions



- Access and control 2 heating zones and 1 hot water zone via WiFi
- Large display for easy viewing
- Easy to install thermostat(s) and receiver
- Five touch-sensitive buttons for easy usage
- 6 on & off periods per day
- The display shows the set temperature, as well as the measured temperature and time
- Temperature(s) displayed in Celsius
- The thermostat(s) are supplied with a wall-fixing mount, a free-standing base, and a compact receiver (surface mount only)



### Receiver overview & thermostat pairing

1. **LED:** Receiver on/off indicator.
2. **LED:** WiFi status / WiFi pairing button.
  - **Button:** Short press to turn the receiver on/off, long press for WiFi pairing.
3. **LED Button:** Heating status of Thermostat 1.
  - Press to enter code pairing mode for Thermostat 1, the LED will flash quickly
  - Turn off Thermostat 1, and long press the M button until the code shows on the screen, and then press the  button.
  - Wait until the LED has stopped flickering, once it has the code pairing has been successful, and  shows on the screen
4. **LED Button:** Override status of Thermostat 1. Press and hold to enable override, and press again to disable override.

5. **LED: Button** Heating status of Thermostat 2.

- Press to enter code pairing mode for Thermostat 2, the LED will flash quickly
- Turn off Thermostat 2, and long press the M button until the code shows on the screen, and  then press the  button.
- Wait until the LED has stopped flickering, once it has the code pairing has been successful

6. **LEDButton:** Override status of Thermostat 2 Press and hold to enable override, and press again to disable override.

**Note:** Kits come supplied pre-paired, if one or more thermostats need pairing to the gateway, follow the above steps.

## Wi-Fi configuration Preparation

1. Ensure that the smartphone is connected to the same Wi-Fi network to which you would like to attach the device.
2. Ensure that you have a mobile device running iOS 8 or higher, or Android 4.1x or higher, and a 2.4GHz Wi-Fi connection.
3. Download the ClickSmart+ App on your mobile device from the App Store or Google Play Store.
4. Sign in or Register following the instructions on the ClickSmart+ App.

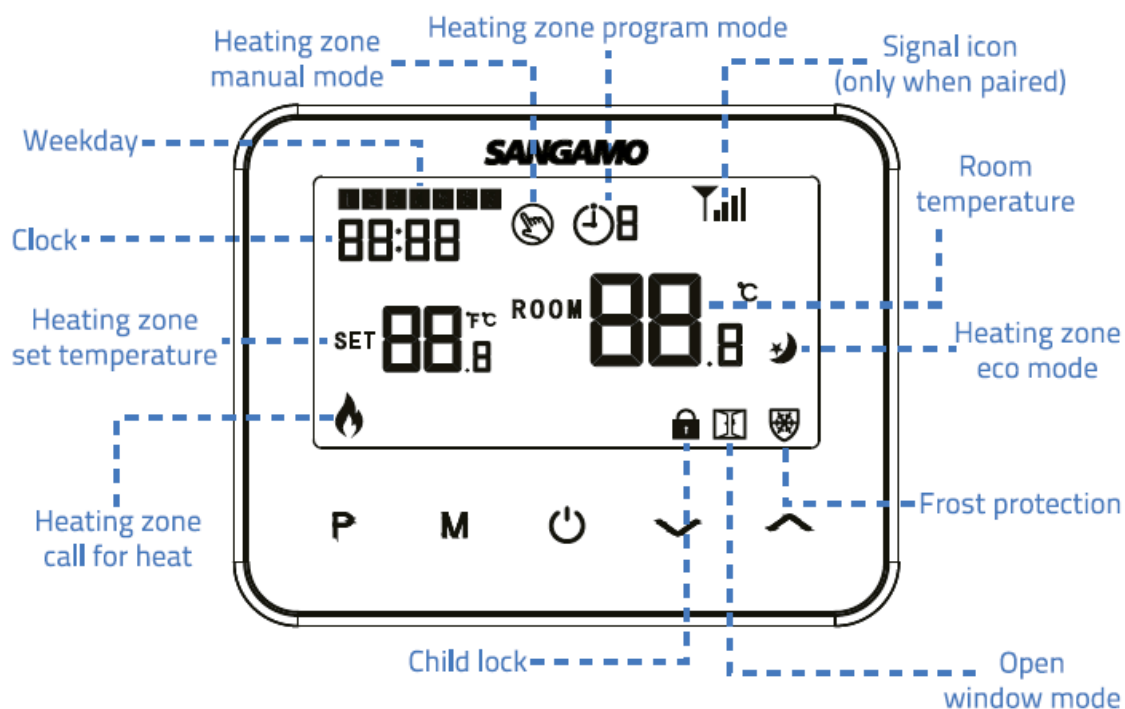
## Installation Instructions

1. On the ClickSmart+ app's home page, click on the "+" symbol in the top right corner of the home screen.
2. Then click on "ESP" on the left-hand side.
3. And finally, click on "Smart WiFi 3Ch Programmable Thermostat Kit".
4. The app will then display on-screen instructions for pairing the CHSTAT3CHK receiver (CHSTAT3CHK-R) with the Wi-Fi network.





## Thermostat overview



### Thermostat 1 (single heating zone)



### Clock & weekday setting

- Turn the thermostat on, then press and hold the “M” button for 3 seconds, set the clock (Minute-Hour-Weekday) by pressing  or , each press of the “M” button will go to the next item setting.

### 7-day program schedule

- Press and hold “P” for 3 seconds to enter the program setting.
- Set the schedule (minute-hour-Temperature-period-day) by pressing  or , each press of the “P” button will go to the next item setting.

### Default setting:


Period	1		2		3		4	
	Time	Temp	Time	Temp	Time	Temp	Time	Temp
1-5 (Mon – Fri)	7:00	22°C	8:30	19°C	17:00	22°C	22:00	19°C
6 (Saturday)	8:00	22°C	8:30	19°C	17:00	22°C	22:00	19°C
7 (Sunday)	8:00	22°C	8:30	19°C	17:00	22°C	22:00	19°C

### Mode selection



Press “M” to select PRG (program) mode, MAN (manual) mode, or Eco mode.

### Open window detect function (OWD function)




- Whilst the “open window detect” function is enabled in the parameter settings, the system will automatically stop heating when it detects a sudden drop in room temperature (2°C within 15 minutes as default).

- This is normally caused when a window and/or door is opened without turning off the heating.
- The device will return to the previous mode of operation after 30 minutes and then  will disappear. Press any button to exit the OWD function during the heating-off period.

### Child lock

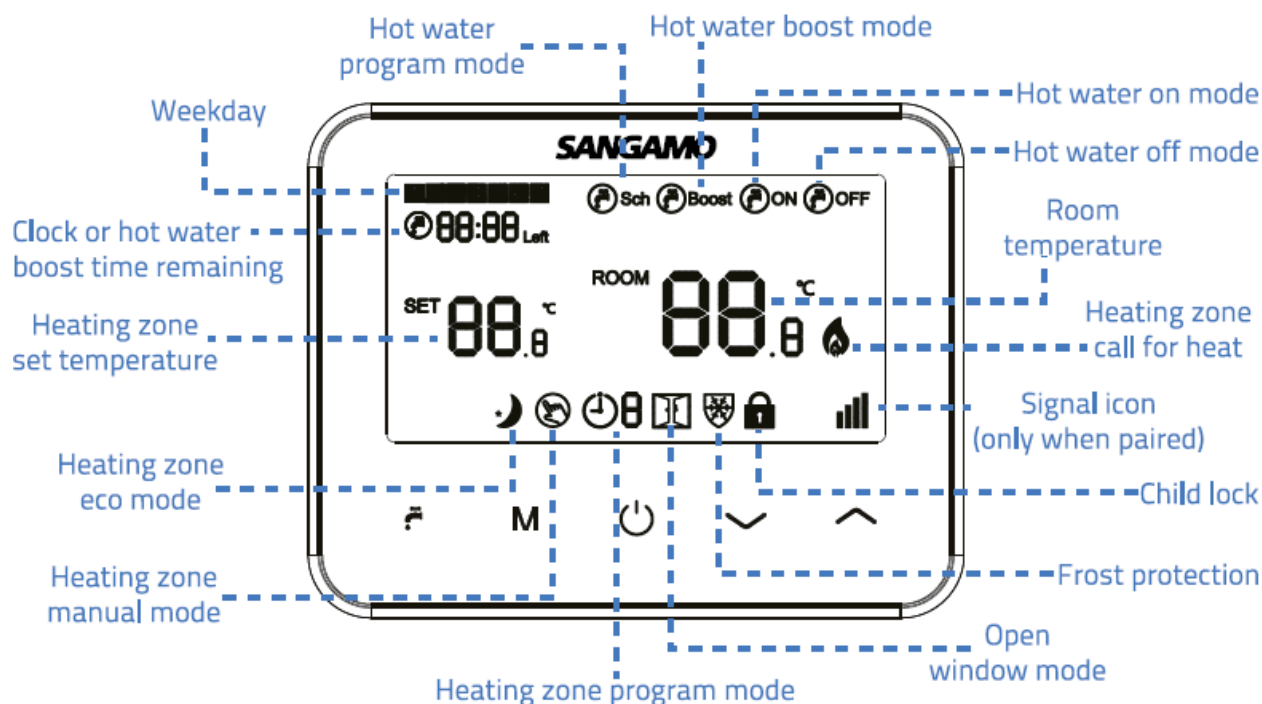
- Under child lock-on (refer to section 3.1.6 of the Thermostat 1's parameter settings), the buttons will lock once the backlight has turned off.
- Press  &  together for 5 seconds to unlock the thermostat temporarily for adjustments

### Parameter settings





- When in off mode, press and hold "M" &  for 6 seconds to enter the parameter setting Menu.
- Adjust the value by pressing  or  each press of "M" will go to the next item.

Menu	Description	Range	Default Value
01	Temperature calibration for internal sensor	-8°C to 8°C	0°C
02	Set point maximum	5°C to 35°C	35°C
03	Set point minimum	5°C to 35°C	5°C
05	Frost protection temp.	5°C to 15°C	5°C
09	Dead zone	0°C to 3°C	0°C
11	Child lock	1:Lock 0:Unlock	0
12	Open Window Detect (OWD) function	1:Enable 0:Disable	0
13	OWD detect time	2 to 30 minutes	15 minutes
14	OWD temperature drop	2°C to 4°C	2°C
15	OWD delay time select (return to previous working status)	10 to 60 minutes	30 minutes
17	Factory reset	0: No 1: Yes, and then press the on/off button for 5 seconds, and wait until the thermostat restarts	0
	Software version		
31	Master ID code	Read-only	

### Thermostat 2 (1 heating zone & 1 hot water zone)




### Clock & program schedule for the heating zone

- Turn the thermostat on, then press and hold the “M” button for 3 seconds.
- Set the clock (Minute-Hour-Weekday) by pressing  or , each press of the “M” button will go to the next item setting.
- After setting the clock, press “M” for the program schedule setting.
- Set the schedule (Weekday-Period-Start time-Temp) by pressing  or  each press of the “M” button will go to the next item setting.

Period	1		2		3		4		5		6	
	Time	Temp	Time	Temp	Time	Temp	Time	Temp	Time	Temp	Time	Temp
<b>1-5 Monday to Friday</b>	7:00	22°C	8:30	19°C	12:00	22°C	13:30	19°C	18:00	22°C	22:00	19°C
<b>6 Saturday</b>	8:00	22°C	8:30	19°C	12:00	22°C	13:30	19°C	18:00	22°C	22:00	19°C
<b>7 Sunday</b>	8:00	22°C	8:30	19°C	12:00	22°C	13:30	19°C	18:00	22°C	22:00	19°C

### Program schedule for water zone

Turn the thermostat on, then press and hold the button for 3 seconds to set the hot water program schedule. Set the schedule (weekday minute-hour-on/off) by pressing , each press of button will go to the next item setting.







Period	1		2		3		4		5		6	
	Time	Mode	Time	Mode	Time	Mode	Time	Mode	Time	Mode	Time	Mode
1-5 Monday to Friday	7:00	On	8:30	Off	12:00	On	14:00	Off	18:00	On	22:00	Off
6 Saturday	8:00	On	8:30	Off	12:00	On	13:30	Off	18:00	On	22:00	Off
7 Sunday	8:00	On	8:30	Off	12:00	On	13:30	Off	18:00	On	22:00	Off

### Mode selection for heating zone


Press “M” to select PRG (program) mode, MAN (manual) mode, or Eco mode.

### Mode select for hot water zone



Press  button to select hot water OFF  / ON  / PRG .

Boost 0.5 Hours  / 1 Hours  / 1.5 Hours  / 2 Hours  / 2.5 Hours 




### Open window detect function (OWD function)

- Whilst the “open window detect” function is enabled in the parameter settings, the system will automatically stop heating when it detects a sudden drop in room temperature (2°C within 15 minutes as default).
- This is normally caused when a window and/or door is opened without turning off the heating.
- The device will return to the previous mode of operation after 30 minutes and then  will disappear. Press any button to exit the OWD function during the heating-off period.

### Child Lock

- Under child lock-on (refer to section 3.1.6 of the Thermostat 1's parameter settings), the buttons will lock once the backlight has turned off.
- Press  &  together for 5 seconds to unlock the thermostat temporarily for adjustments

### Parameter settings

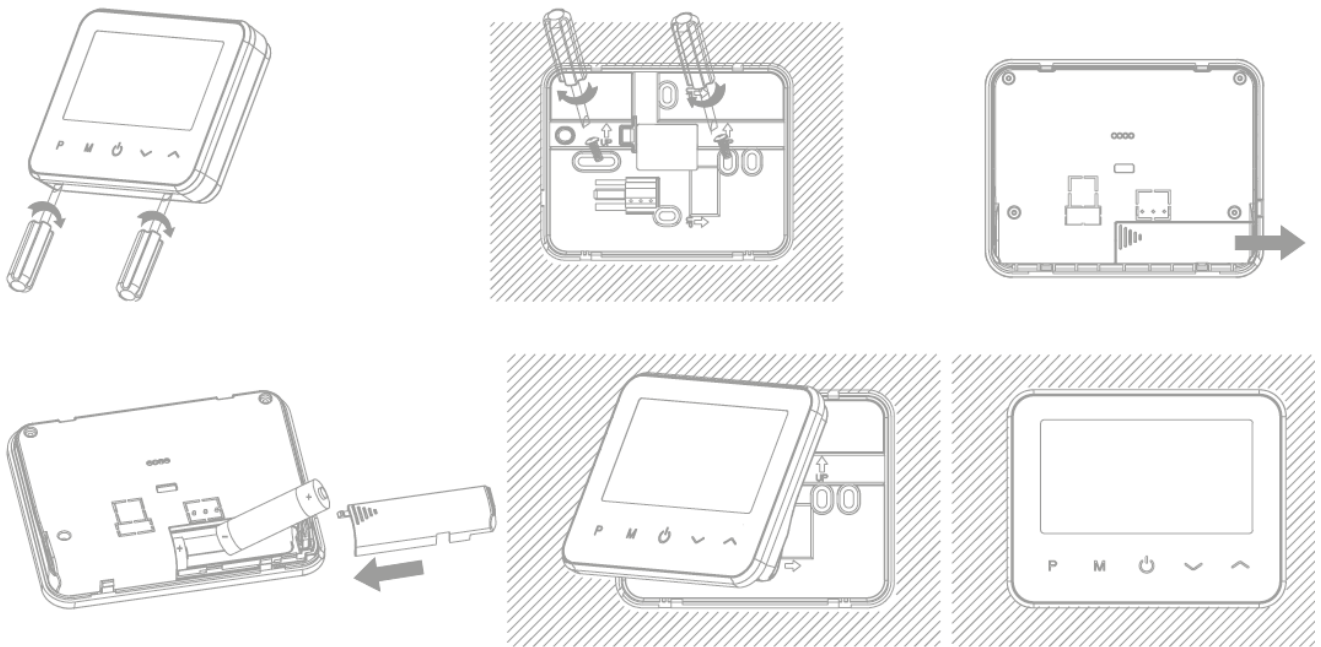
- When in off mode, press and hold “M” &  for 6 seconds to enter the parameter setting Menu. Adjust the value by pressing  or  each press of “M” will go to the next item.

Menu	Description	Range	Default Value
01	Temperature calibration for internal sensor	-8°C to 8°C	0°C
02	Set point maximum	5°C to 35°C	35°C
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05	Frost protection temp.	5°C to 15°C	5°C
09	Dead zone	0°C to 3°C	0°C
11	Child lock	1:Lock 0:Unlock	0
12	Open Window Detect (OWD) function	1:Enable 0:Disable	0
13	OWD detect time	2 to 30 minutes	15 minutes
14	OWD temperature drop	2°C to 4°C	2°C
15	OWD delay time select (return to previous working status)	10 to 60 minutes	30 minutes
17	Factory reset	0: No 1: Yes, and then press the on/off button for 5 seconds, and wait until the thermostat restarts	0
	Software version		
31	Master ID code	Read-only	

## Installation

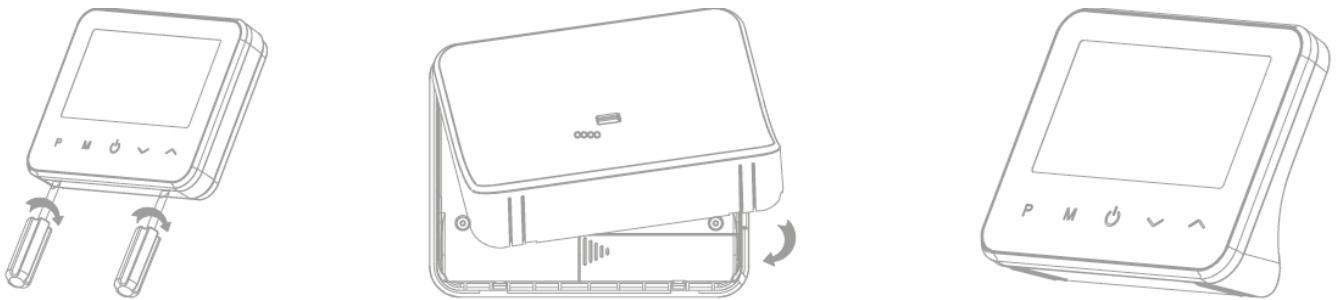
### Thermostats Wall mounted

- Carefully separate the front half of the thermostat from the back plate by placing a small flat-head terminal screwdriver into the slots on the bottom face of the thermostat.
- Mark 2 hole positions on the wall using the back plate as a positioning template. Drill at the marked positions and insert a raw plug into each hole. Screw the thermostat's back plate securely on the wall.
- Remove the battery cover, and insert the batteries or plug in a USB type-C cable.
- Clip the front of the thermostat back onto the thermostat back plate.



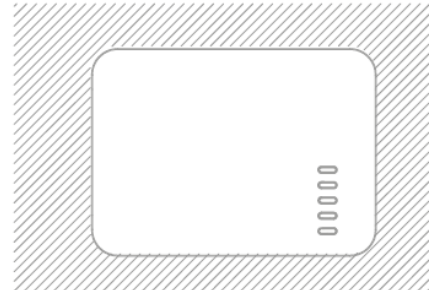
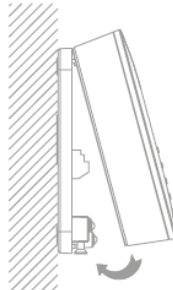
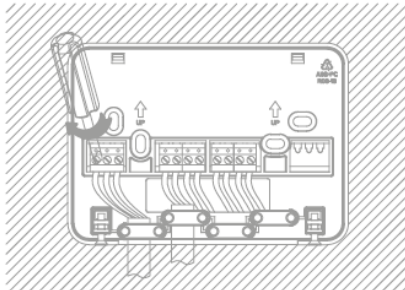
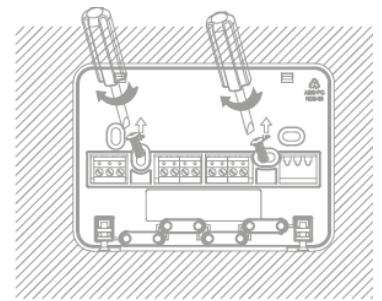
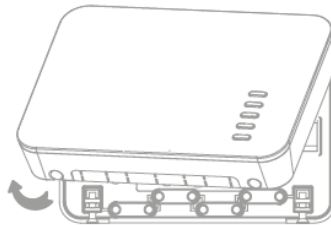
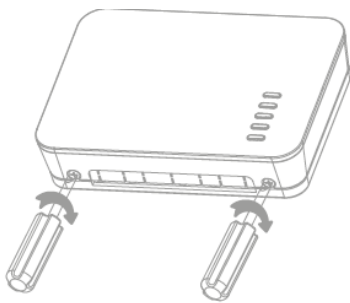
## Freestanding Installation

- Carefully separate the front half of the thermostat from the back plate by placing a small flat-head terminal screwdriver into the slots on the bottom face of the thermostat.
- Remove the battery cover, and insert the batteries or plug in a USB type-C cable.
- Clip the front of the thermostat onto the provided holder.



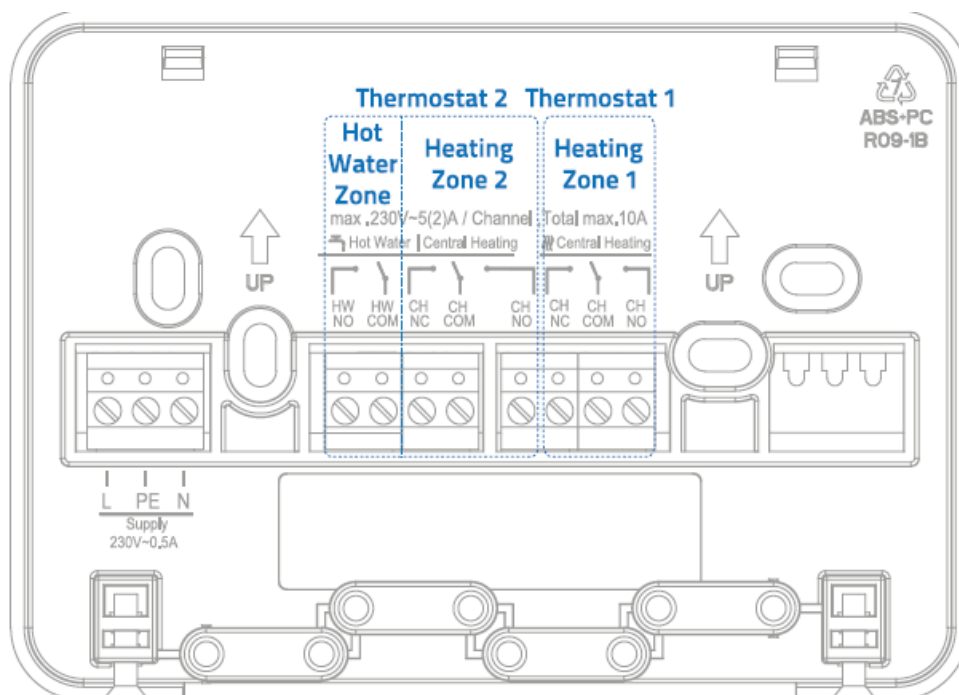
## Receiver Wall mounted

1. Using a screwdriver, slightly loosen the screw located at the base of the receiver.
2. Position the receivers backplate against the wall, fixing it into place using the screws provided
3. Terminate the cables on the receiver as shown in the wiring diagram (section 4.2.2).
  - **Caution:** Before any installation and/or maintenance, ensure that the electrical supply is switched off at the breaker.
4. Mount the front panel back onto the back plate, and tighten the retaining screws on the base.
5. Switch on the power supply, the power LED will illuminate.



## Wiring


- Connect the 230V mains supply and load cable into the backplates terminals which are marked below.
- **Caution:** Before any installation and/or maintenance, ensure that the electrical supply is switched off at the breaker.



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- VAT Registration: GB614686525
- For more product information please visit [www.espuk.com](http://www.espuk.com)
- E&OE – Errors and Omissions Excepted. A24



## Documents / Resources

	<p><a href="#">Sangamo CHSTAT3CHK 3Ch Programmable Thermostat with RF and WiFi</a> [pdf] Instructions</p> <p>S</p> <p>CHSTAT3CHK 3Ch Programmable Thermostat with RF and WiFi, CHSTAT3CHK, 3Ch Programmable Thermostat with RF and WiFi, Thermostat with RF and WiFi, with RF and WiFi, and WiFi, WiFi</p>
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## References

- [User Manual](#)

### Manuals+, [Privacy Policy](#)

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