Manuals+ — User Manuals Simplified.

ECSPST Fort Programmable Thermostat User Guide

**ECSPST
Quick Start Guide**

Contents

Fort Programmable Thermostat with RF and WiFi White

The latest product manuals and software is available online: **https://www.espuk.com/technical_support**

https://www.espuk.com/technical_support/

Features

- Large LED display
- Touch button
- Permanent user settings, and program settings during power loss
- One button "Holiday" mode
- Programming Periods;
- 7 Day individual, 5/2 split (Monday – Friday, Saturday & Sunday)
- 6 Separate time/temperature periods per day
- Key lock facility
- Low battery indication
- Frost protection
- Optional Intelligent function; Optimal Start
- Open window function
- Integrated with Clicksmart+ App
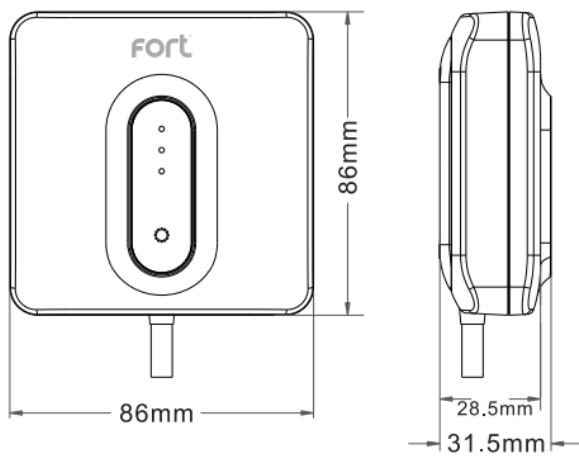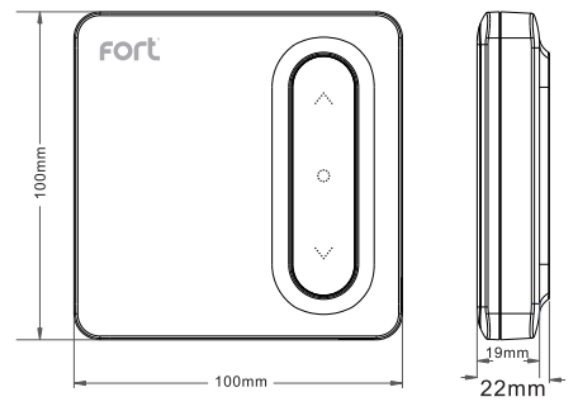
Receiver   Thermostat

Product Overview

Thermostat

(1)	📶	Wireless icon "📶" always on when paired with the receiver, flashes when connection is intermittent
(2)	✳	Frost protection icon
(3)	🔥	Call for heat icon
(4)	🕐	Programming mode icon
(5)	🔋	Low battery alert
(6)	✔	Confirm icon
(7)	⌃	Up button
(8)	⊙	ON/OFF button
(9)		Room temperature or setting temperature display
(10)	⌄	Down button

Receiver

WiFi Status Indicator

Network Pairing Mode:
The LED flashes fast or slow Green

Network Connection Successful: Blue

Output Indicator
Call for heat: Green

ON/OFF Indicator
Power indicator: Red
Override output status: Green
RF indicator: Yellow
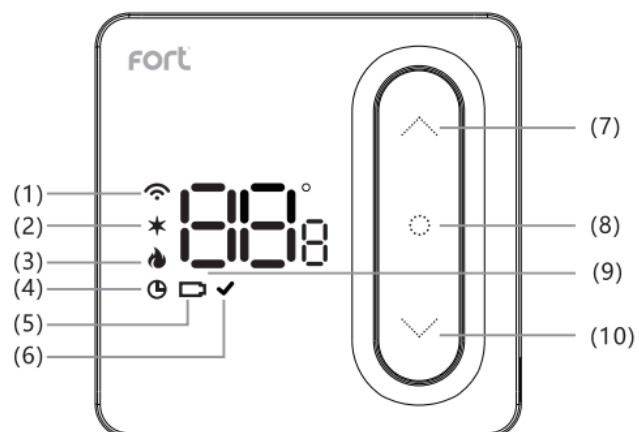
Control Button
(With power indicator)
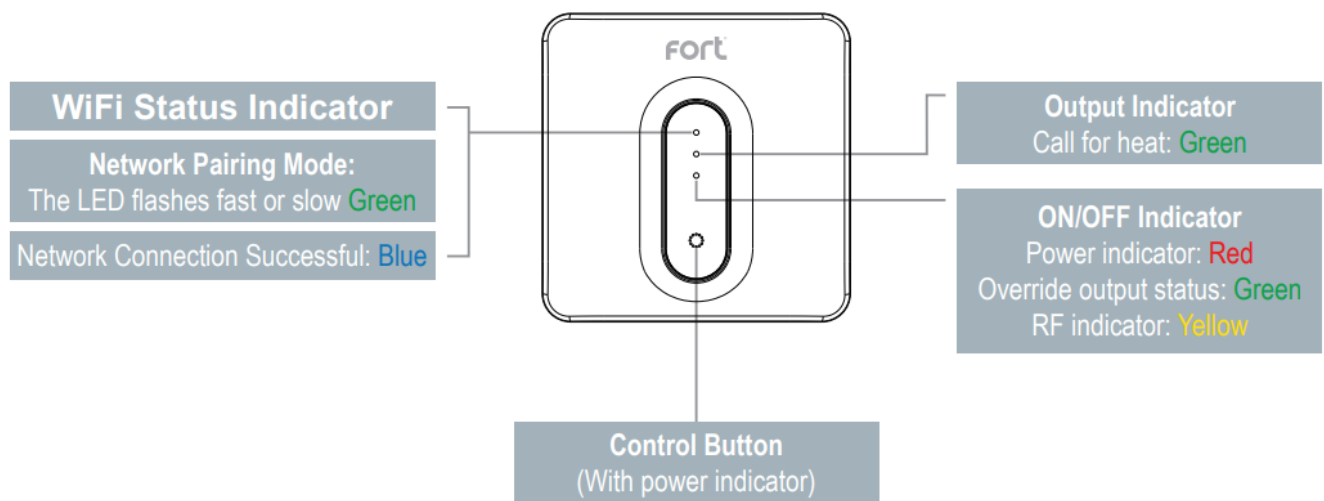
* To manually call for heat, press and hold the control button, until the LED turns Green.

Default Programming Schedule

Note: The programming schedule can be configured within the ClickSmart+ app

Period 1		Period 2		Period 3		Period 4		Period 5		Period 6	
Morning ON		Morning OFF		Afternoon ON		Afternoon OFF		Evening ON		Evening OFF	
06:00	20°C	08:00	16°C	11:00	20°C	14:00	16°C	18:00	20°C	22:00	16°C

Thermostat Functions

Functions
Switching between ON & Standby modes

Press " ⦂ " to turn the Thermostat into the ON mode. Press and hold " ⦂ " again to switch the thermostat into

standby mode. When in standby mode the Thermostat will display " ⎕FF ".
Note: When in standby mode, only frost protection is active on the thermostat.

Key Lock Function
In main display interface, press and hold " ∨ " "∧ " at the same time to lock or unlock the keys. When locked, the thermostat will display "LC ".

Frost Protection
If the room temperature falls below 5°C, frost damage can occur. To protect your home, the Thermostat once it detects the ambient temperature is below 5°C will send a Call for heat, until the temperature is above 8°C, and will

then end the Call for heat. This is indicated by a " ✳ " icon.
*This feature can be disabled in the configuration menu

Low Power Alert

When the thermostat is critically low on power, it will alert the user by displaying " ▭ " to notify them to change the batteries.

Optimal Start
If optimal start is enabled, the thermostat will start the call for heat slightly before the schedule calls for it. So that

by the scheduled start time, the ambient temperature is already at the set temperature.
*This feature can be enabled in the configuration menu

Fault
If there is damage to the internal sensor the user will be alerted by the display message " ".

Operating Modes

Schedule Mode
The thermostat will run according to the set schedule, the screen will display a solid " 🕐 " icon.

Boost Mode
The boost mode, will send a call for heat until the next program in the schedule and will continue to send the call for heat until the set temperature is achieved.

When in schedule mode (indicated by a solid " 🕐 " icon), press the " ∨ " or " ∧ " and set the desired temperature, the Thermostats display will flash to indicate it is activating the boost mode.

When a boost is currently active it will display the " 🕐 " icon flashing.

Manual Mode
The "Manual" mode sets the thermostat to the desired temperature and will continue to do so until, the user ends the Manual mode.

Pressing " ⚙ " will toggle between Schedule mode & Manual Mode. The Thermostat will indicate it is in Manual mode by not displaying the " 🕐 " icon.

Thermostat Configuration

To configure the thermostat using its controls you will need to do the following:

1. In standby mode indicated by the Thermostat displaying " OFF ", long press " ⚙ " to enter the configuration menu.

2. The first item will display " CL ", press " ⚙ " to enter the configuration for the first item.

3. You can adjust the setting by pressing " ∨ " or " ∧ ".

4. " ✔ " will flash, and then press " ⚙ " will save current settings, and exit to the configuration menu.

5. Use the " ∨ " or " ∧ " to select the configuration menu, and then press " ⚙ " to enter the next configuration, and follow the steps 3 & 4.

6. Finally once all menus have been configured, long press " ⚙ " to save and exit the configuration menu.
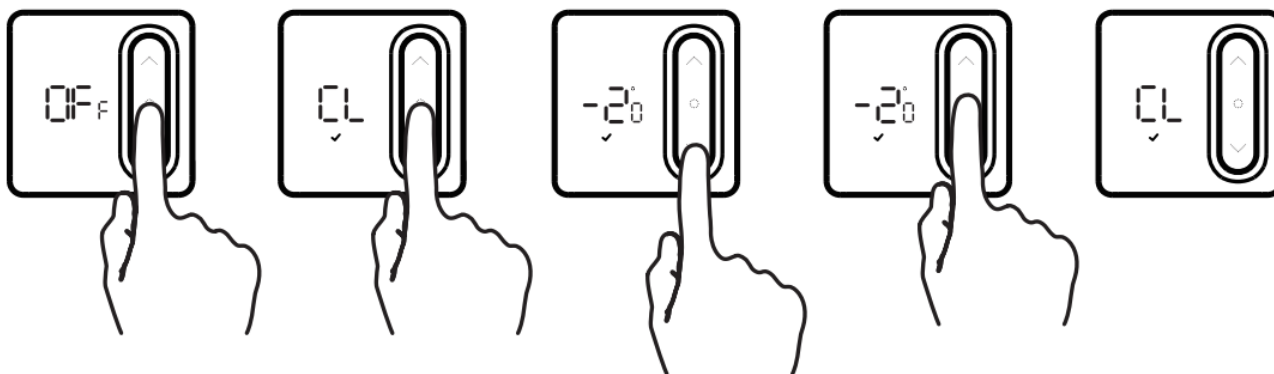
Restore factory settings:

After entering the configuration menu, press and hold both the " ∨ " and " ∧ " buttons, to restore the thermostat to factory settings, the thermostat will display " rF " and flash 3 times.

This will remove any custom configuration setting(s) and programming setting(s)

| Step No.	Displayed (Factory Default)	Press " " or " " to select	Descriptions
1	CL (0°)	-4°C to +4°C	Temperature calibration
2	AH (30°)	+20°C to +35°C	Select maximum setting temperature range
3	AL (05°)	+5°C to +20°C	Select minimum setting temperature range
4	db (0°)	0.5°C to 3°C	Start heating conditions: When setting temperature -Room temperature ≥ 0.5 °C (0.5~3°C option), start heating. Room temperature ≥ Setting temperature, stop heating.
5	SEg (6)	4 / 6	Number of programming periods per day; 2 ON & 2 OFFs / 3 ON & 3 OFFs
6	ES (OFf)	ON / OFf	Intelligent function (Optimal start)
7	PP (OFf)	ON / OFf	Frost Protection function
8	AY (OFf)	ON / OFf	Thermostat Relay Output
9	SH (ON)	ON / OFf	Thermostat LED Display option ON: LEDs displays on Thermostat VIA app. OFF: LEDs don't display on Thermostat VIA app.

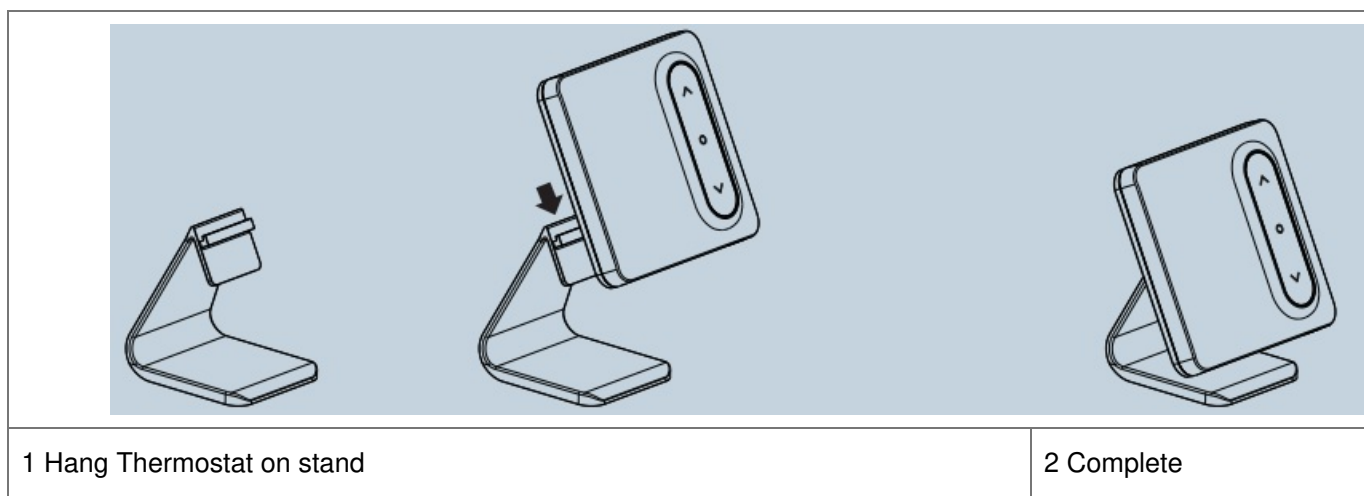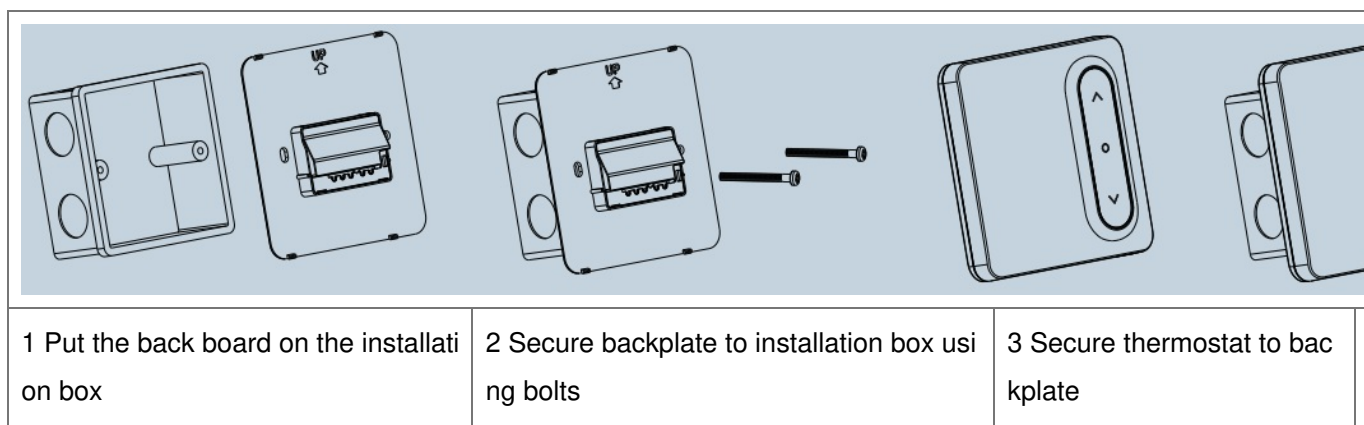**Thermostat Installation**

Battery Installation

1 Take off cover	2 Install AA Batteries	3 Complete Installation

1.5V
LR6*AA
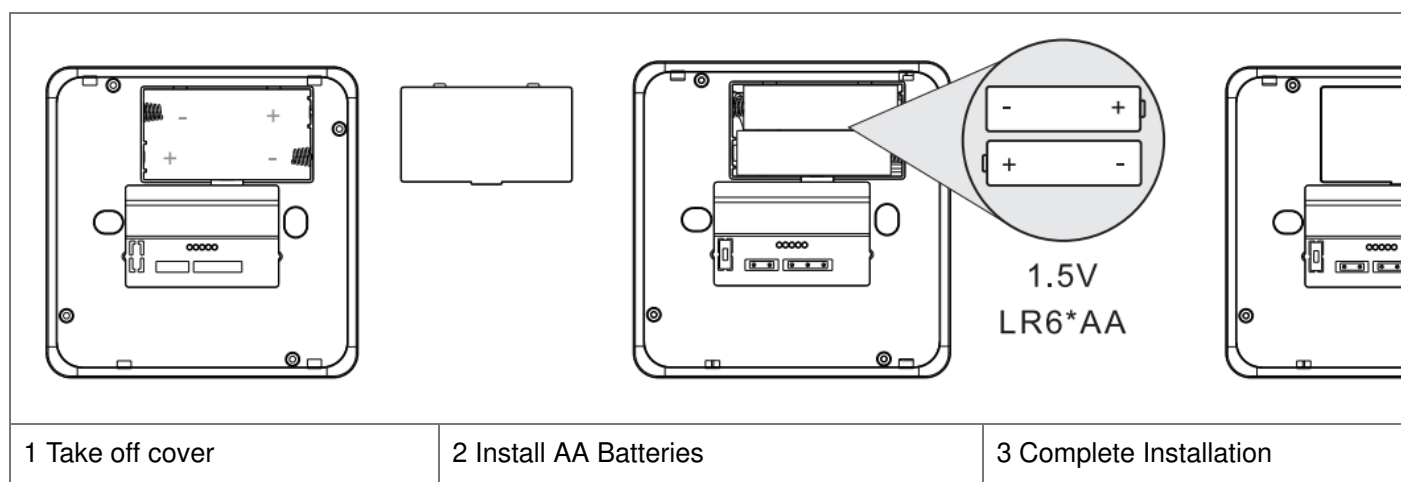
Note: Ensure the batteries are correctly installed, and the polarities are correctly aligned.

1. Desk mounted

1 Hang Thermostat on stand	2 Complete

2. Wall mounted

|			
1 Put the back board on the installation box	2 Secure backplate to installation box using bolts	3 Secure thermostat to backplate	

Installation Plan A

Our products are designed to comply with the recommended codes of practice and is to be installed and serviced by competent persons in accordance with the relevant wiring regulations.
Warning: Before any installation or maintenance, ensure that the electrical supply is switched off at the breaker.
The receiver needs to be installed in the boilers vicinity, and within the desired wireless networks signal area.
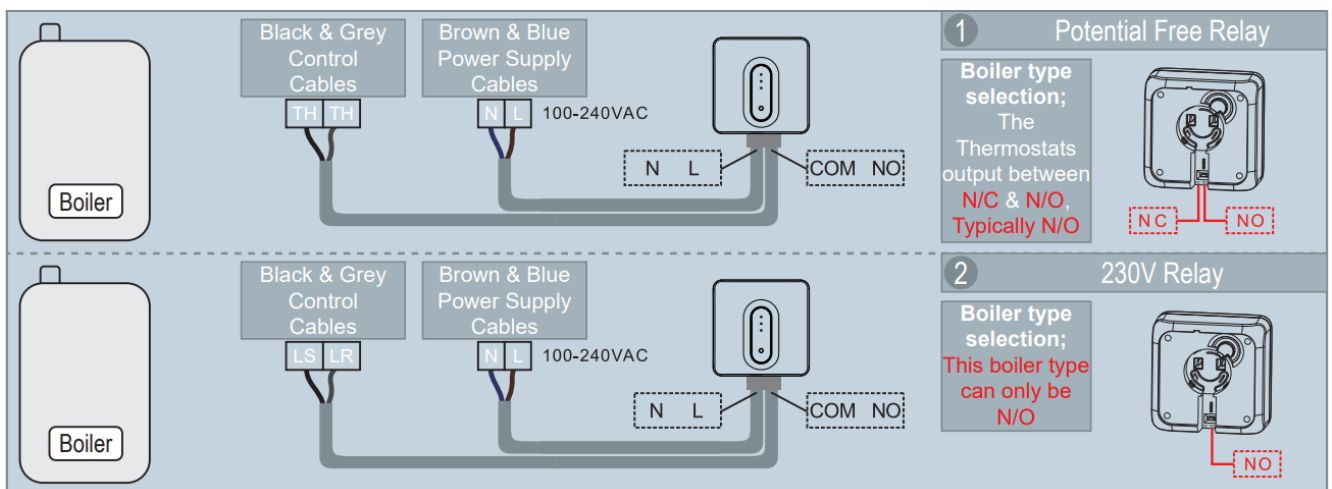The Thermostat can be installed anywhere within range of the receiver.
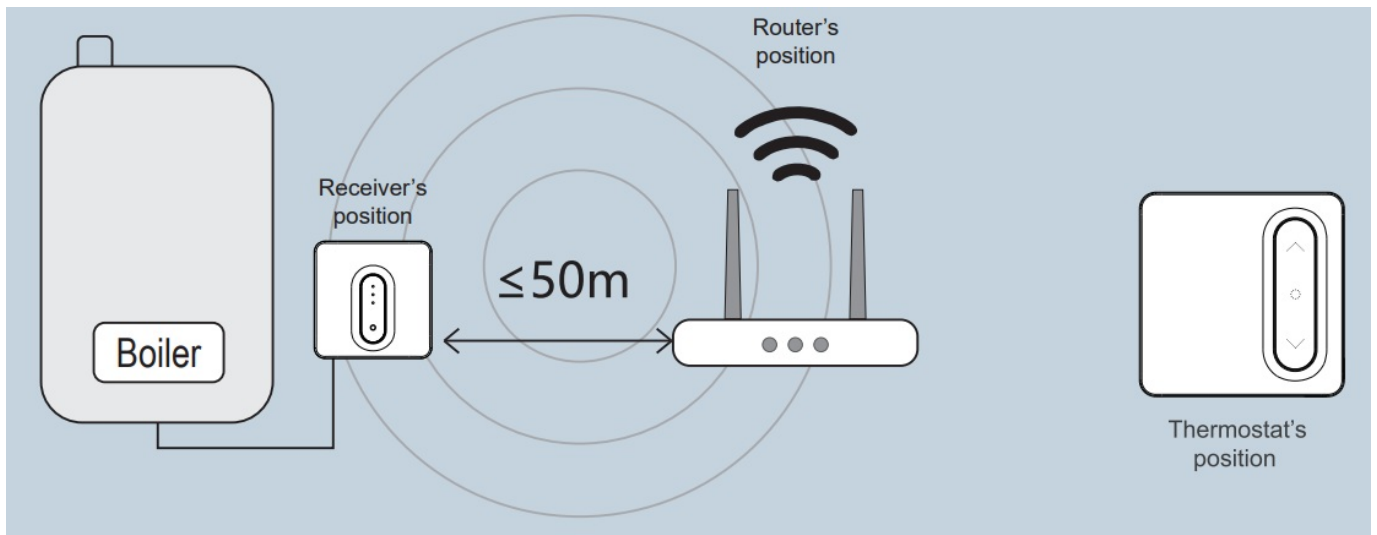
Note: Distance between thermostat and receiver cannot be greater than 100m (open field).

1. Install receiver on the wall

| 1 Open backplate from the top	2 Install the backplate onto the wall.	3 Clip the receiver onto
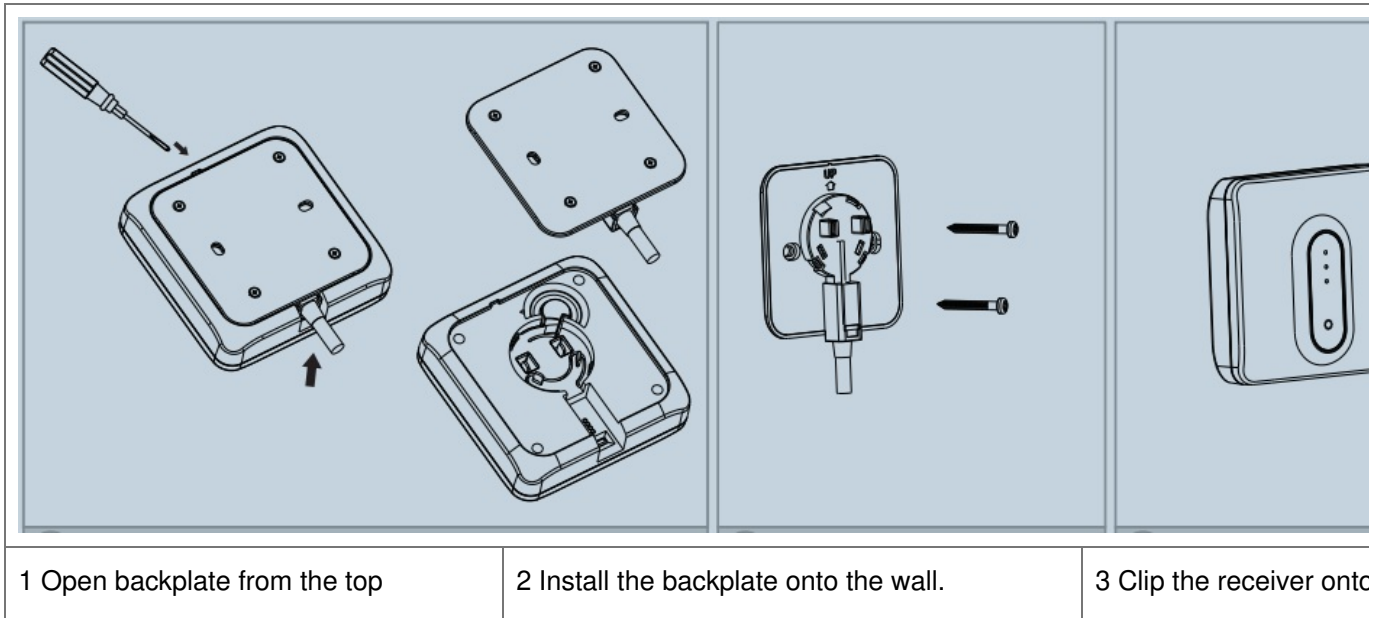
2. Installation Plan A Wiring

Installation Plan B

Our products are designed to comply with the recommended codes of practice and to be installed and serviced by

competent persons in accordance with the relevant wiring regulations.

Warning: Before any installation or maintenance, ensure that the electrical supply is switched off at the breaker. When installing the Thermostat directly to the boiler, ensure the receiver is within the WiFi coverage area.
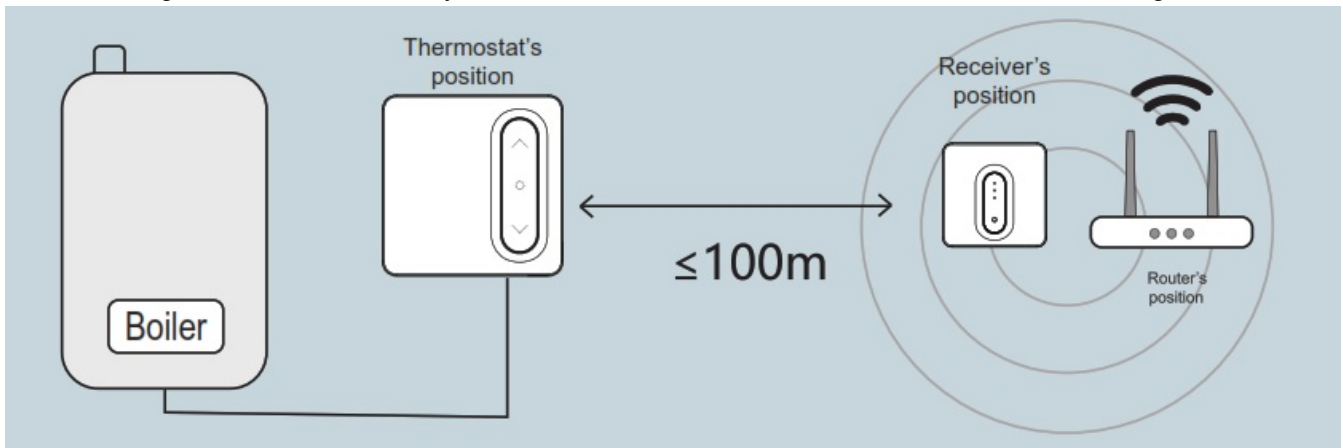

Note: Distance between thermostat and receiver cannot be greater than 100m (open field).

When the Thermostat is connected directly to the boiler, item 8 of the configuration should be "ON" .[Page 5]. As default it is set to OFF

1. Install receiver as gateway with plug adapter

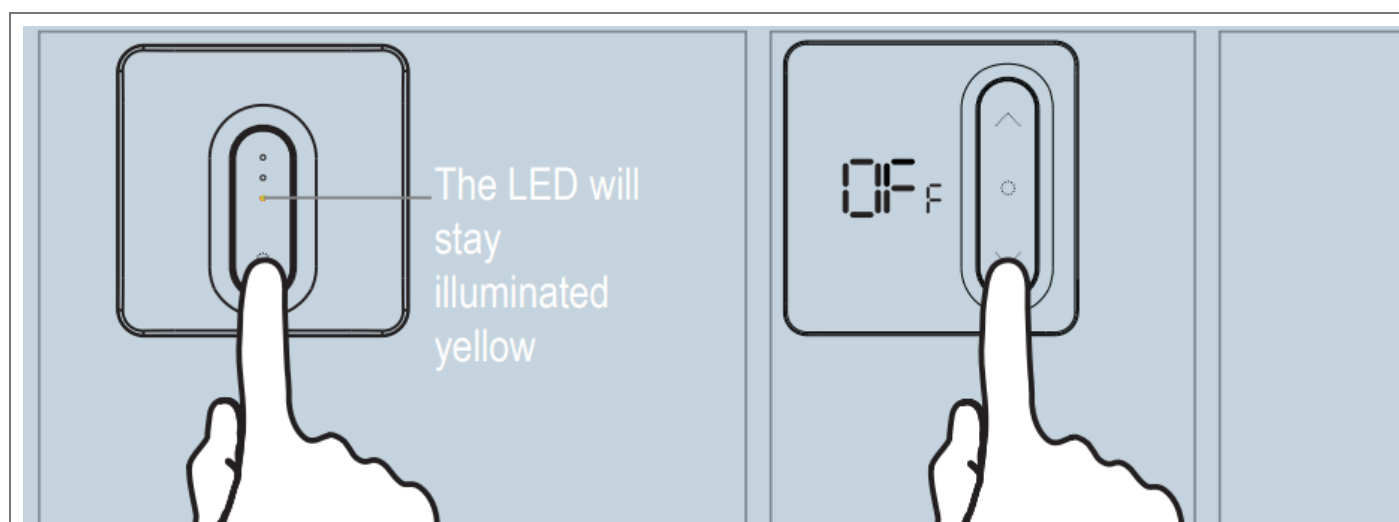| 1 Install rear bulkhead | 2 Press and rotate to clip in the adapter | 4 Complete |
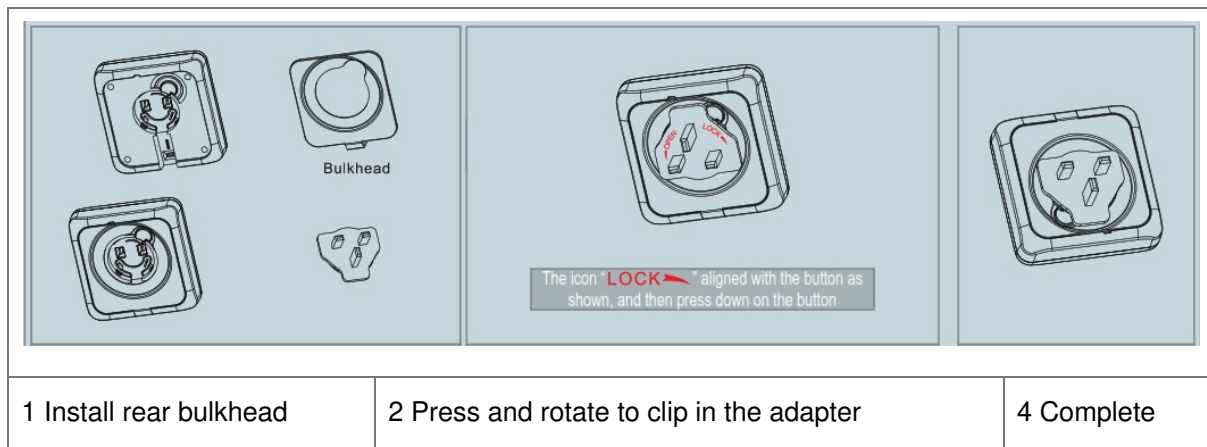
2. Installation Plan B Wiring
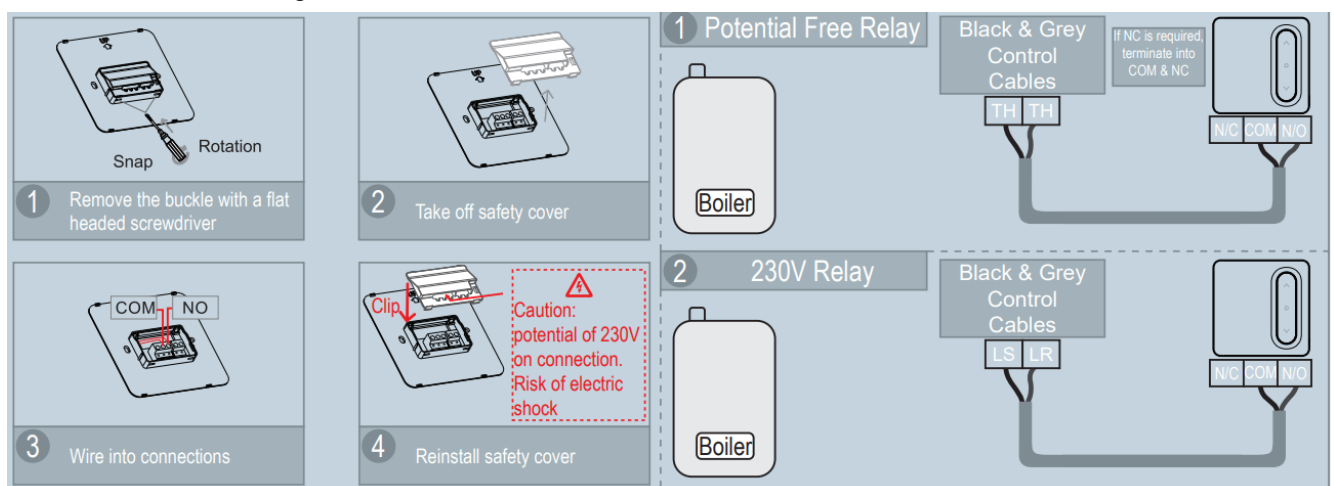
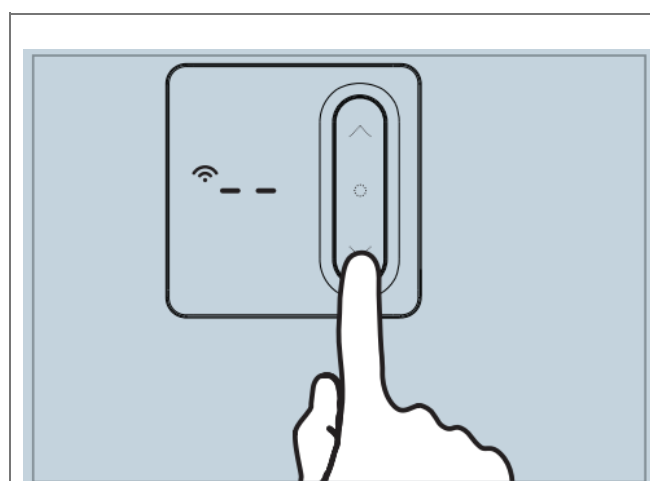# Pairing the Thermostat and Receiver

As default, the Thermostat & Receiver are pre-paired

The LED will stay illuminated yellow

1 Press " ⟳ " to turn off the receiver, when in the OFF condition, press and hold the " ⟳ " button for at least 3 seconds, the LED will now illuminate yellow constantly.

2 On the Thermostat when in "Standby" m and hold " ∨ " for 3s.

4 On the Thermostat: Press the " ∨ " to enter pairing mode, it will display "— ", and the icon " 📶 " will be flashing.
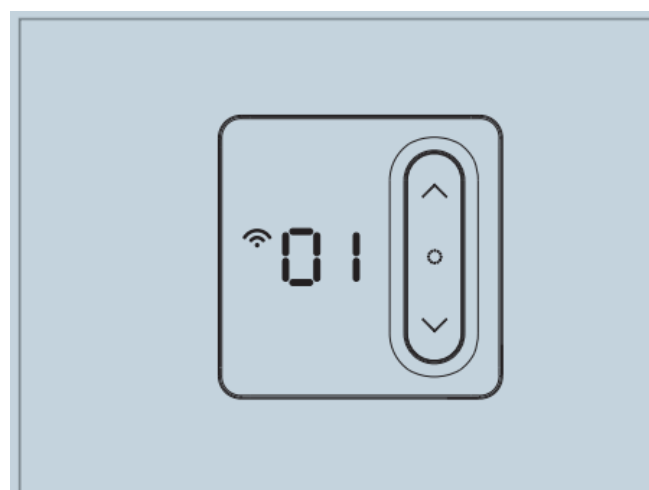
5 If pairing is successful, the Thermostat will display " 01 ", 📶 " icon will now constantly display, and then will automati ack into the OFF interface.

Product Description

The WiFi Smart Thermostat (ECSPST) forms part of the ESP Fort range of smart products, and can also be used in conjunction with Scolmores ClickSmart+ range of products.
Users are able to control the Smart Thermostat using the ClickSmart+ app, manually and using voice controls (once correctly configured).
The ECSPST can be used to program your heating schedule, and the desired heating temperature.

Preparation for use

To use the ECSPST you will need to download the ClickSmart+ app.
Ensure that you have a mobile device running iOS 8 or higher, or Android 4.1x or higher, and a sufficient WiFi network connection.
It is important to know your Wi-Fi network and W-Fi network's password before pairing the Thermostat to the ClickSmart+ app.

https://a.smart321.com/clicksmartplus

Download the ClickSmart+ App on your mobile device from the App Store or Google Play.
You can scan the above QR code to directly download the app 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 of the home screen.

2. Then click on "ESP" on the left handside.

3. And finally click on "Smart WiFi Thermostat with RF"

4. The app will then display on screen instructions for pairing the ECSPST onto the Wi-Fi network.

Documents / Resources

[ECSPST Fort Programmable Thermostat](#) [pdf] User Guide
Fort Programmable Thermostat, Programmable Thermostat, Thermostat

References

- 🌐 **[ESP UK - Homepage](#)**
- 🌐 **[ESP UK - Technical Support](#)**
- **[User Manual](#)**