

ESi

STRATUS

Wi-Fi Wireless Programmable
Room Thermostat With Heating &
Hot Water Control

ESRTP6B

Installation Instructions



Installation

Installation Safety Instructions

The ESi STRATUS must be installed by a suitably qualified person in accordance with the latest IEE Wiring Regulations. Isolate the mains supply before starting installation. Please read all instructions before proceeding.

Ensure the fixed wiring connections to the mains supply are via a fuse rated at not more than 3 amps and Class ‘A’ switch having a contact separation of a minimum of 3mm in all poles. The recommended cable sizes are 1.0mm sq or 1.5mm sq. No earth connection is required as this product is double insulated but ensure continuity of earth throughout the system.

General Safety Instructions

- This product complies with the essential requirements of the following EC Directives
- Electromagnetic Compatibility Regulations 2016
 - Electrical Equipment (Safety) Regulations 2016
 - Low Voltage Directive 2014/35/EU
 - EC Marking Directive 2014/30/EU

Please leave all instructions with the end user for future reference.

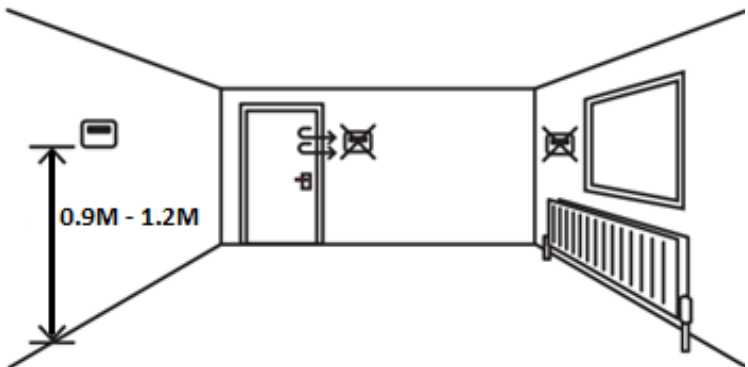
Warning: Always isolate the AC mains supply before installing. This product must be fitted by a competent person and installation must comply with the guidance provided in the current editions of BS7671 (IEE wiring regulations) and part ‘P’ of the building regulations

Maintenance

Always isolate the mains supply before commencing any work, servicing, or maintenance on the system. Please read all instructions before proceeding. Arrange for an annual maintenance and inspection schedule to be conducted by a qualified person on every part of the heating and hot water system.

Installing Your ESi STRATUS

The latest legislation for installing room thermostats states the thermostat must be positioned between 0.9m & 1.2m above floor level. It should be installed in a location where it is accessible, reasonably lit and free from extremes of temperature & draughts. Do not position your ESi STRATUS near sources of heat such as radiators, lights, TV, direct sunlight or on an outside wall.

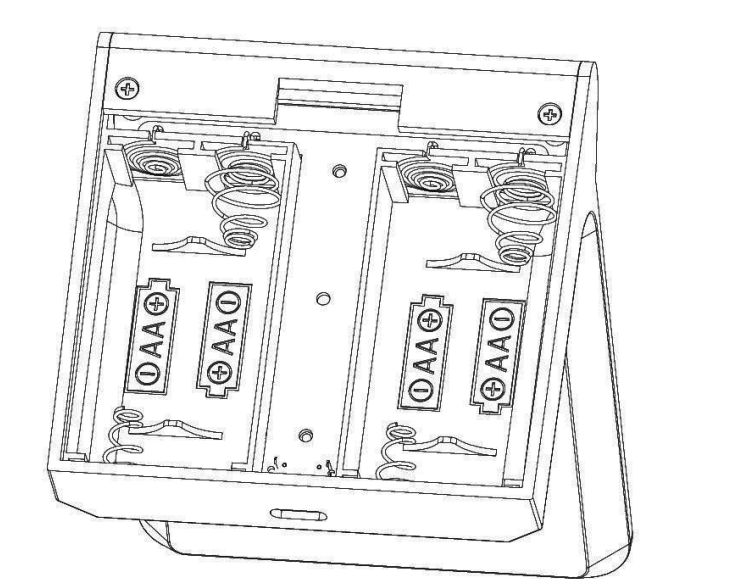


Required During Installation

- Permanent 230V power supply to RF receiver.
- 4 x AA batteries (supplied)

Installing the Batteries

The battery compartment is situated on the base of your room thermostat. You must ensure the 4 x AA batteries are inserted the correct way around.



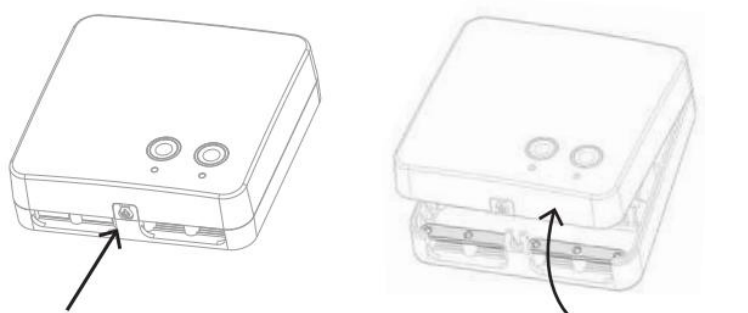
RF Receiver



- 1. Flame Button**
The outer ring of this button will illuminate red when the thermostat is demanding heat for radiators.
- 2. Hot Water Button**
The outer ring of this button will illuminate green when there is a demand for hot water.
- 3. RF Comms LED**
This will be solid blue when RF comms are strong. The blue LED will flash if RF comms are lost; the thermostat & RF receiver must be re-paired.
- 4. Power LED**
This LED will be red to indicate there is power to the RF receiver.

Preparing The Power Supply

- Find a suitable location close to the boiler.
- Loosen the screw at the bottom of the cover.



Installing The Cable

- Hinge open and remove the front cover to reveal the terminals on the back plate.
- Secure the back plate to a non-combustible flat surface or wall box.
- Install the wiring as shown in the wiring diagrams below.

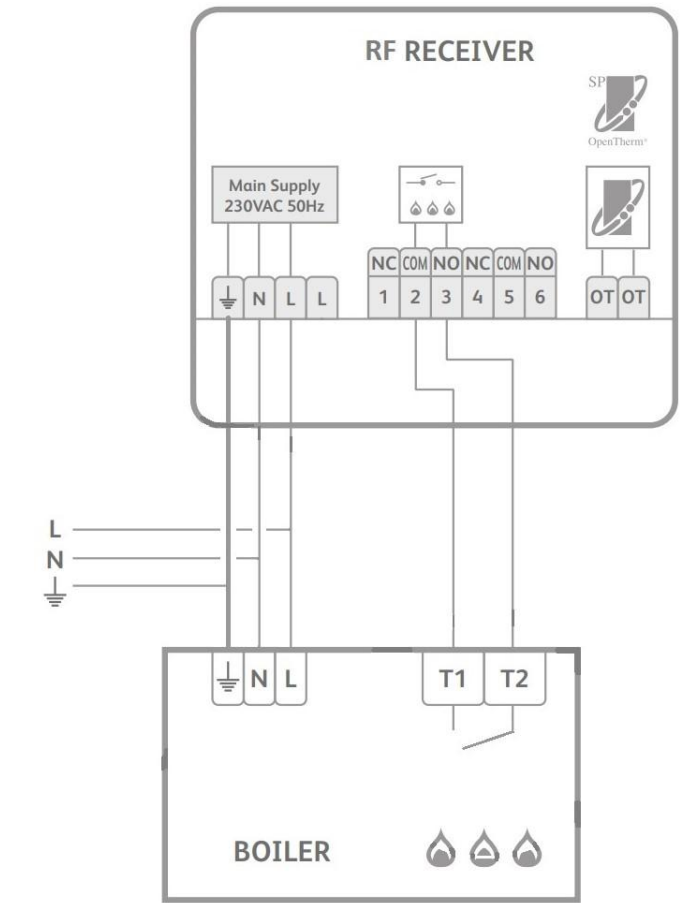
Technical Data

	Thermostat	Power Supply
Temperature Control Class	ErP Class V Product (3%)	N/A
Energy Efficiency Technology	Optimum Start Optimum Stop Delayed Start OpenTherm	N/A
Programming	7 Day, 5/2 Day or 24 Hour	N/A
Power Supply	5V DC Stand/4 x AA batteries	230V AC
Temperature Adjustment Range	5°C to 35°C	N/A
Total Switch Rating	NA/	3(1)A
Heating Contact Type	5VDC	230VAC Switched Live
Temperature Sensor Type	Multi-thermistor with intelligent compensation	N/A
Temperature Accuracy	+/- 1°C @ 20°C	N/A
Enclosure Material	Flame retardant thermoplastic	
Ingress Protection Class	IP30	
Dimensions (main unit, excluding connections)	D = 78mm W = 82mm H = 114mm	30mm 110mm 115mm
Program Events	Selectable 4 or 6 programs	
Clock	Crystal controlled; automatic time change between BST/GMT	
Standard Compliance	EN60730-1 EN60730 2.7, EN55014 1:2006+A1:2009+A2:2011, EN61000-3-2:2014, EN61000-3-3:2013, EN55014-2: 2015, EN60730- 1:2011, EMC Directive 2014/30/EU, LVD Directive 2014/35/EU	

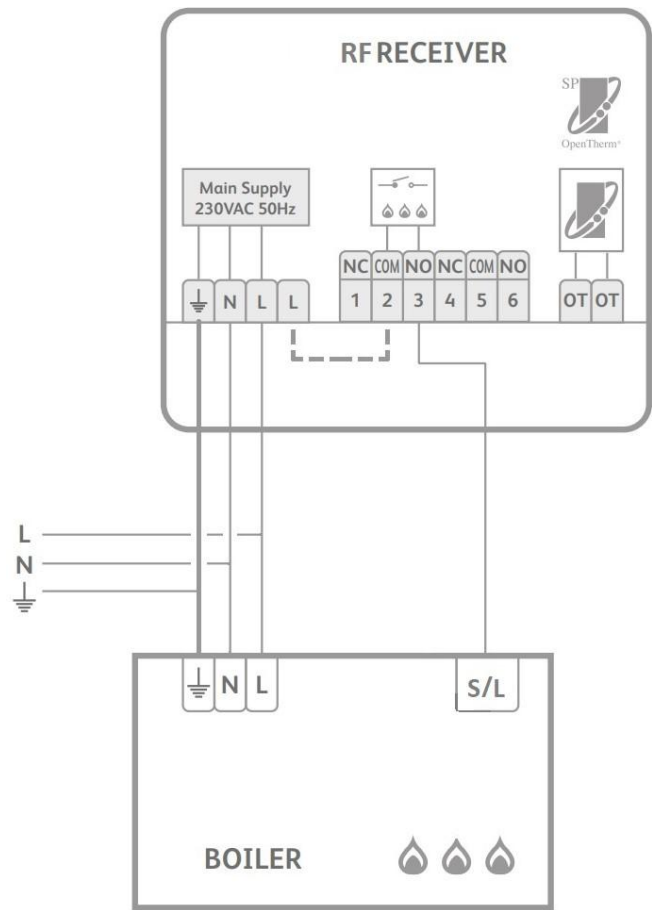
Wiring Diagrams

To ensure the most economic use of gas, OpenTherm should be used wherever possible.

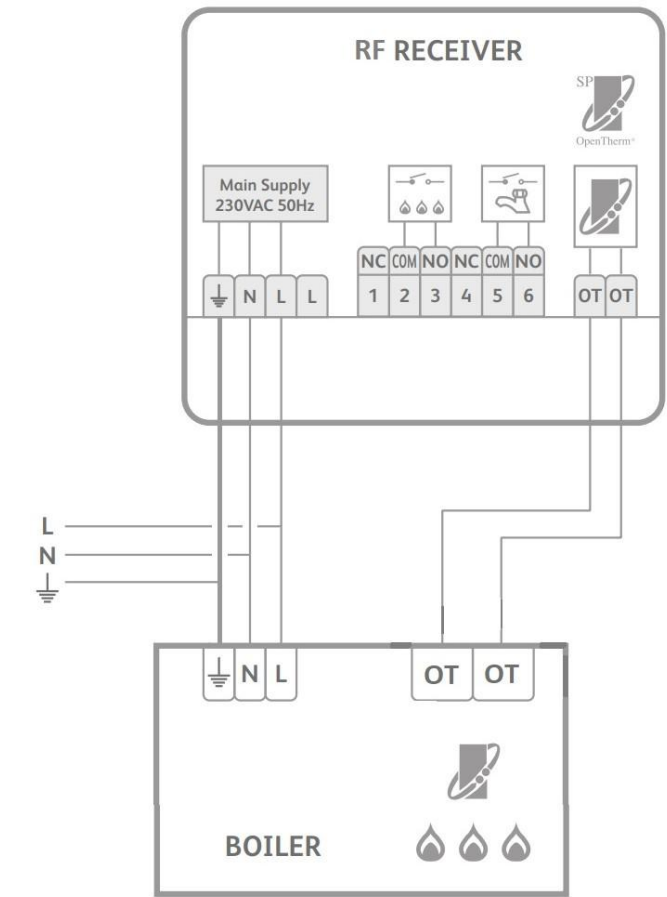
Volt Free Wiring



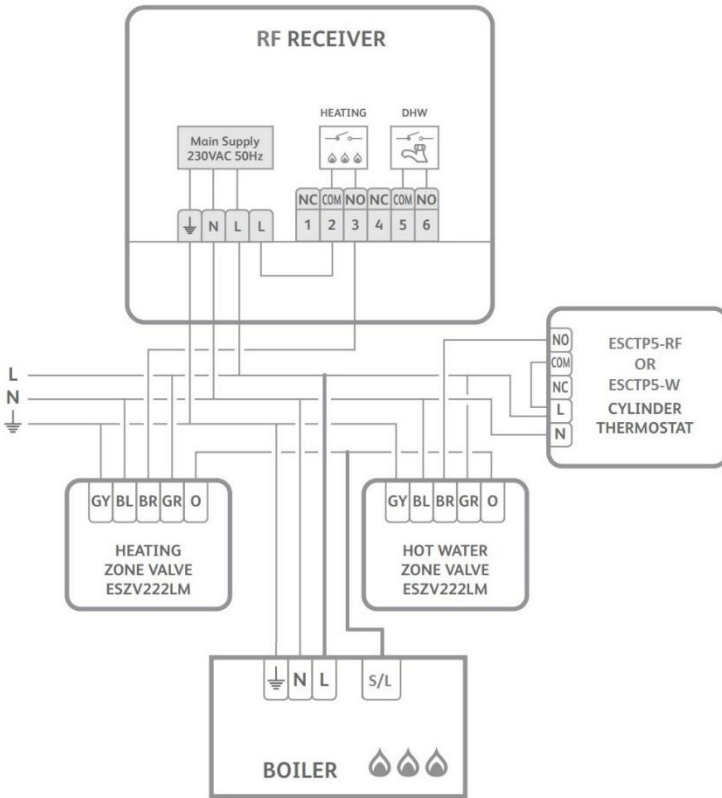
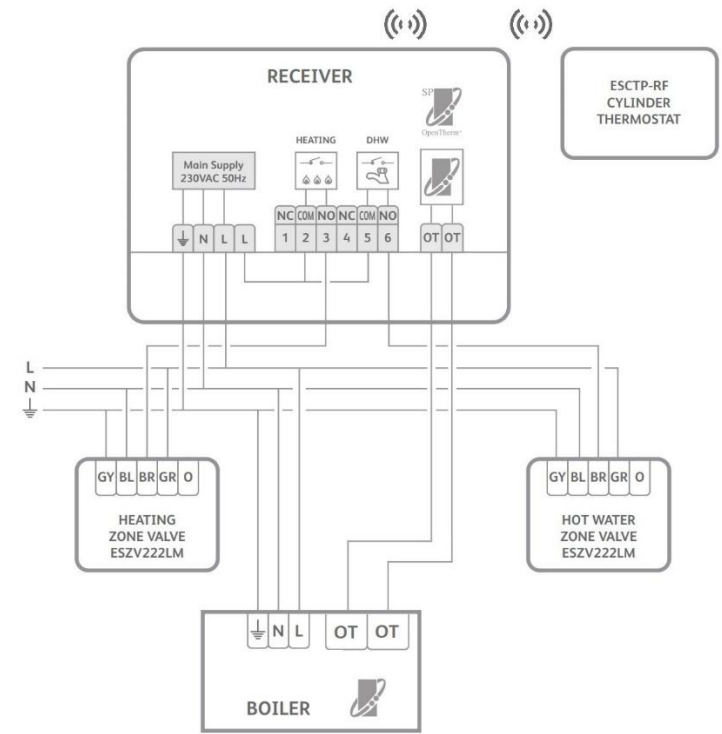
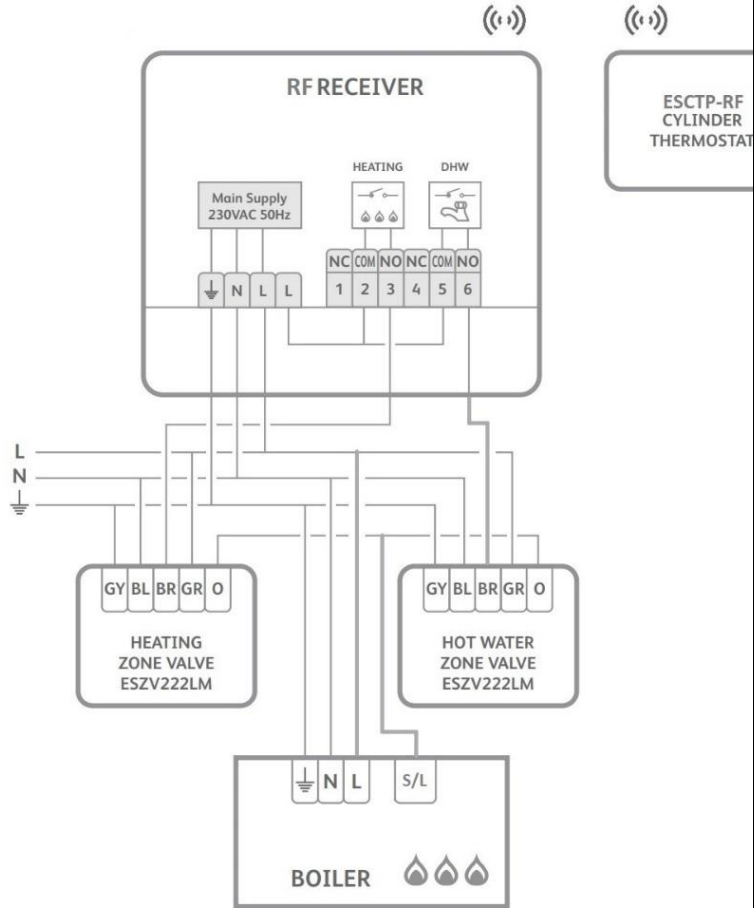
Switched Live Wiring



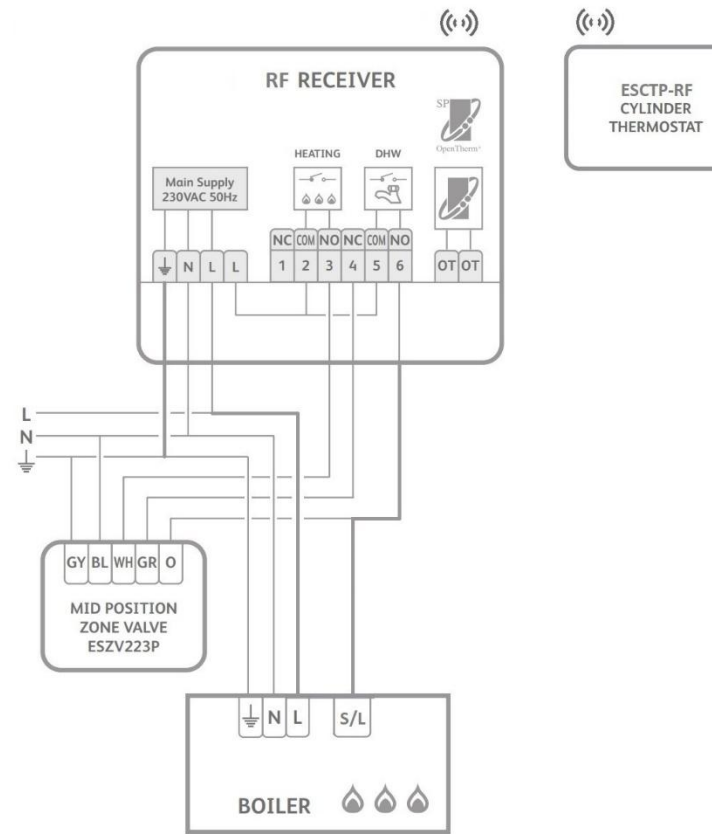
OpenTherm Wiring



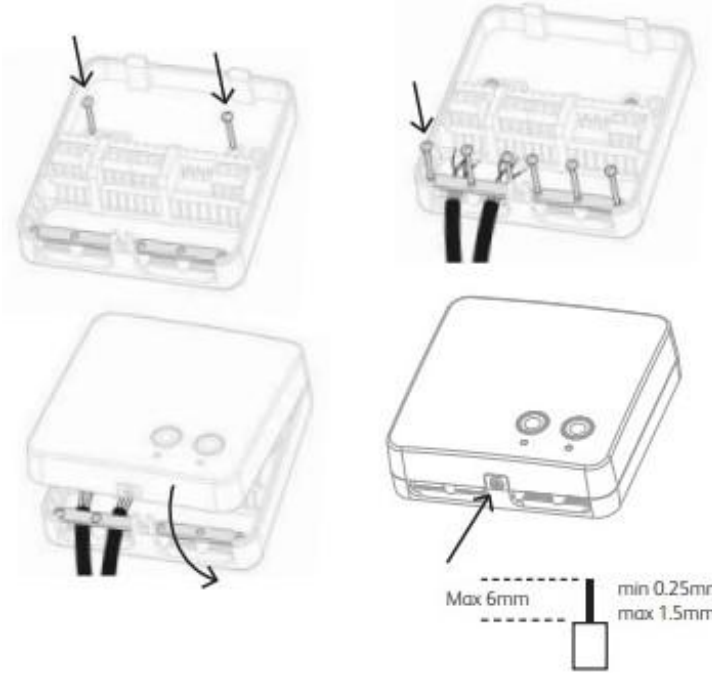
S Plan Wiring



Y Plan Wiring



When you have completed the wiring as shown in the diagrams above, use the cable clamps to secure all surface wiring. Replace the cover by first locating the two lugs at the top and swing down. Re-tighten the screw to hold the cover securely in place.



Advanced Settings

RF Pairing

Your ESi STRATUS will be pre-paired to your RF receiver. If this bond is lost, follow these steps.

ON YOUR RF RECEIVER

Hold the hot water button until the heating button flashes red.

ON YOUR THERMOSTAT

Press the HOME button to wake the display, then hold the MENU button until RF SETUP is displayed. This is the Advanced Settings Menu.



Press HOME. Your thermostat and RF receiver will automatically pair.

Optimum Start



Enter the Advanced Settings Menu as above. Use AV to navigate to OPTIMISATION. Press HOME to enter OPTIMISATION settings, you will see OPTIMUM START



Press HOME & use AV to select OPTIMUM START ON. Press HOME to save & the RETURN BUTTON to get back to your HOME SCREEN.

Optimum Stop



Enter the Advanced Settings Menu as above. Use AV to



Use AV to select OPTIMUM STOP ON.

navigate to OPTIMISATION. Press HOME to enter OPTIMISATION settings, you will see OPTIMUM START. Use AV to select OPTIMUM STOP & press HOME.

Press HOME to save & use the RETURN BUTTON to get back to your HOME SCREEN.

Choose Heating Type

The ESi STRATUS is a 2 channel room thermostat which can be used to regulate heating only (combi boilers) or heating & hot water (system boilers)



Enter the Advanced Settings Menu as above. Use AV to navigate to HEATING TYPE. Press HOME



Use AV to choose between HEATING & HOT WATER or HEAT ONLY. Press HOME to save. Use the RETURN BUTTON to get back to your HOME SCREEN.

Technical Settings
Low Temperature Protection



Enter the Advanced Settings Menu as above.



Use AV to navigate to INSTALLER SETTINGS.



HOLD the MENU button until the display shows TECHNICAL SETTINGS.



Press HOME. The display will show LOW PROTECT This is the Technical Menu.

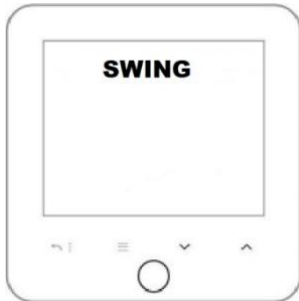


Press HOME. Use AV to select a Low Temperature setting (between 0.5°C and 20.0°C) Press HOME to save your setting & use the RETURN BUTTON to get back to your HOME SCREEN.

Swing



Enter the Technical Menu as above.



Use AV to navigate to SWING. Press HOME.



Use AV to adjust the SWING setting (0.1°C to 3.0°C). Press HOME to save your setting & use the RETURN BUTTON to get back to your HOME SCREEN.

Manual Calibration



Enter the Technical Menu as above.



Use AV to navigate to TEMPERATURE CALIBRATION.



Press HOME and use AV to adjust the CALIBRATION setting (-3.0°C to +3.0°C). Press HOME to save your setting & use the RETURN BUTTON to get back to your HOME SCREEN.

Entering Installer Details



Enter the Advanced Settings Menu as described earlier.



Use AV to navigate to INSTALLER SETTINGS.



HOLD the MENU button until the display shows TECHNICAL SETTINGS.



Use AV to navigate INSTALLER DETAILS Press HOME.



Press HOME. Use AV to input a name & HOME to leave a space, up to 12 characters Press HOME to save



Press HOME. Use AV to input a phone number. Use the RETURN BUTTON to to return to your HOME SCREEN

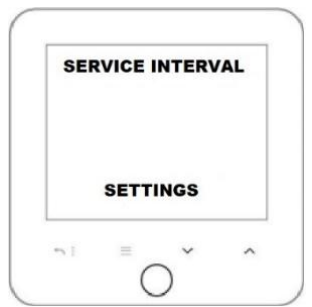
Landlord Settings



Enter the **Advanced Settings Menu** as described earlier.



HOLD the **MENU** button until the display shows **TECHNICAL SETTINGS**.



The display will show **SERVICE INTERVAL SETTINGS**. Press **HOME**.



If the password is accepted, you will be prompted to enter a new password



Use **AV** to navigate to **INSTALLER SETTINGS**.



Use **AV** to navigate to **LANDLORD SETTINGS**. Press **HOME**.



Enter your 4 digit Password using **AV** & **HOME**. The default password is 0000



You can keep your existing password by entering it again. instead of changing it. Press **HOME** to save.



The display will show **SET SERVICE DUE DATE**. Press **HOME**



Use **AV** to set a date for the annual Gas Safety Check. Press **HOME** to save.



The display will show **RESTRICTON LEVEL**. Press **HOME**.



Use **AV** to set a **RESTRICTION LEVEL**. Press **HOME** to save.

OFF – Landlord settings are switched off.
Level 1 – Installer details will be displayed on the screen.
Level 2 – Installer details will be displayed on the screen. Your ESi STRATUS will only provide heat for 45 minutes per hour after the due date.
Level 3 – Installer details will be displayed on the screen. Your ESi STRATUS will only provide heat for 30 minutes per hour after the due date.
Level 4 - Installer details will be displayed on the screen. Your ESi STRATUS will only provide heat for 15 minutes per hour after the due date.
Use the **RETURN ARROW** to get back to your HOME SCREEN.

Screen Locks – Partial Lock



Press **MENU** and use **AV** to navigate to **SCREEN LOCK**. Press **HOME**. The display will show **PARTIAL**. Press **HOME**.

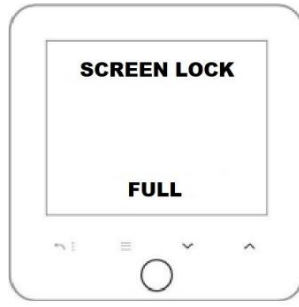


Press **HOME** and use **AV** to choose either **HOME** or **MANUAL**. Press **HOME** to save.

Choosing **HOME** will lock your thermostat to your program settings. Choosing **MANUAL** will lock your thermostat without running any programs. If you choose **MANUAL**, you will be prompted to set a minimum temperature level. Use **AV** to set the temperature. Press **HOME** to save.

To cancel the Partial Screen Lock, hold the **MENU** button for 5 seconds.

Screen Locks - Full Lock



Press **MENU** & use **AV** to navigate to **SCREEN LOCK**. Press **HOME**. Use **AV** to select **FULL**. Press **HOME**.



Use **AV** to choose either **HOME** or **MANUAL**. Press **HOME**. You will be prompted to enter a **PIN**.

The default PIN is 0000. Use **AV** to select a digit & **HOME** to select.



The display will show **SET MIN TEMPERATURE**. Use **AV** to set a minimum temperature. Press **HOME**



The display will show **SET MAX TEMPERATURE**. Use **AV** to set a maximum temperature. Press **HOME**

Pairing With the ESi Centro App

You can use your smartphone or tablet to regulate your heating & hot water by downloading the ESi Centro app. Simply follow the instructions on the app to pair your ESi STRATUS to your home network.

When connected to the ESi Centro app, this thermostat is compatible with Alexa ©

Warning: Interference with sealed parts renders the warranty void.

In the interests of continuous product improvement, we reserve the right to alter designs, specifications and materials without prior notice and cannot accept liability for errors.



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www.esicontrols.co.uk

We are continuously developing our products to bring you the very latest in energy saving technology and simplicity. However, should you have any questions setting up your controls please email us at tech@esicontrols.co.uk

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