

ESRTP4 TOUCH

Programmable Room Thermostat

Installation Instructions



1. Installation

Installation Safety Instructions

The ESRTP4 Touch 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

- Electro-Magnetic Compatibility Directive 2014/30/EU
- Low Voltage Directive 2014/35/EU
- EC Marking Directive 2014/30/EU

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

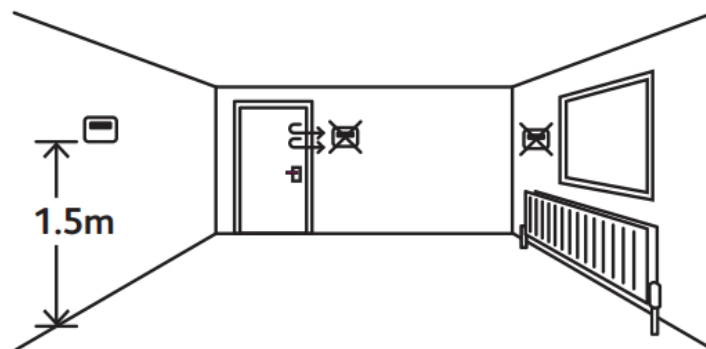
Warning: Always isolate the AC mains supply before installing. This product must be fitted by a competent person and installation must comply with the guidance provided in the current editions of BS7671 (IEE wiring regulations and part 'P' of the building regulations)

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 ESRTP4 TOUCH

The ideal position to locate your ESRTP4 Touch is approximately 1.5m above floor level, in a location where it is accessible, reasonably lit and free from extremes of temperature & draughts. Do not position your ESRTP4 Touch near sources of heat such as radiators, lights, TV, direct sunlight or on an outside wall.

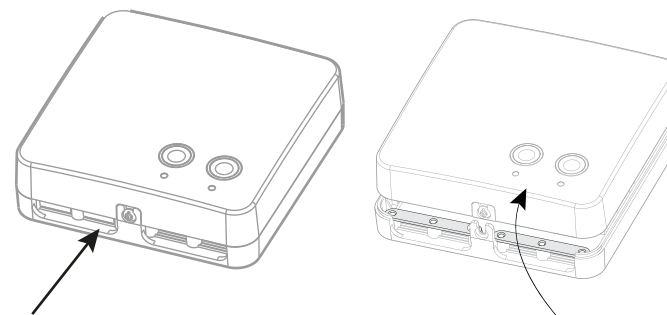


Required During Installation

- Permanent 230V power to RF receiver.

Preparing The Power Supply

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

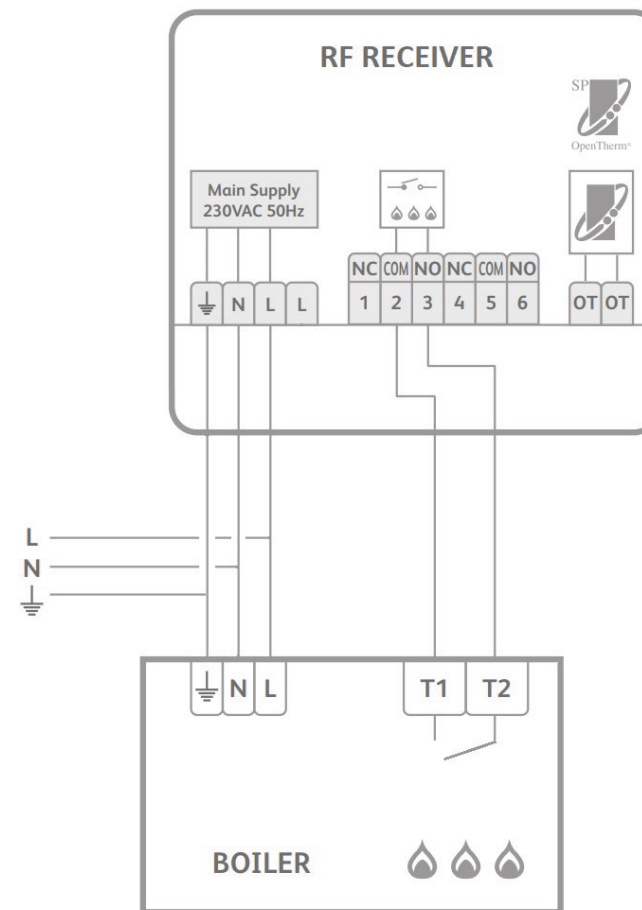


Installing the Cable

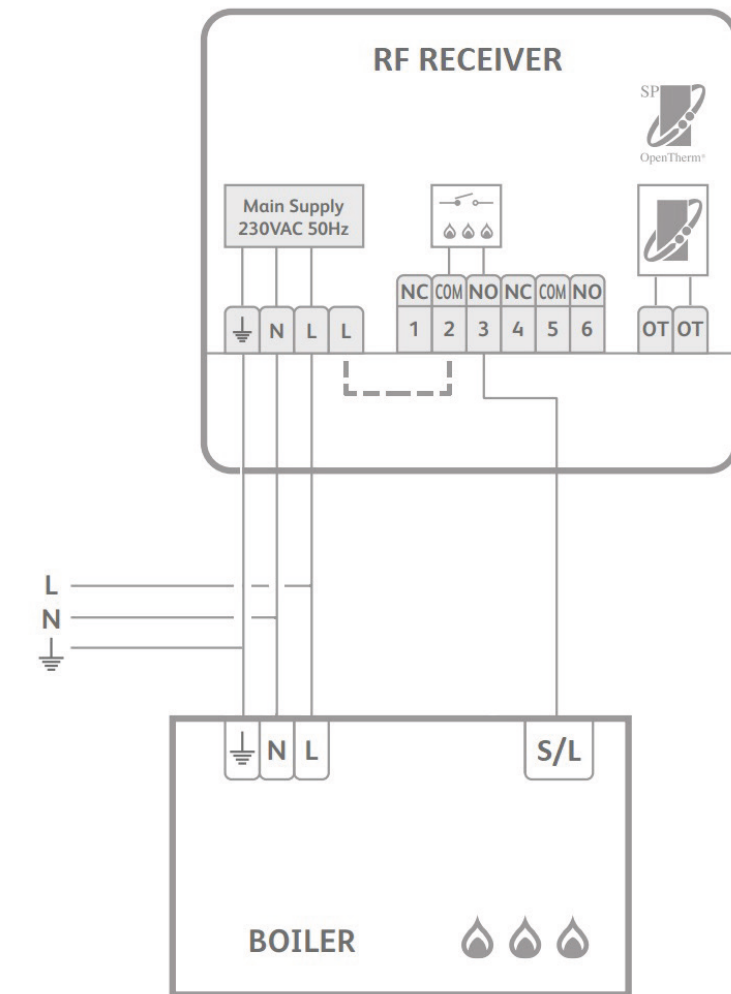
- Hinge open and remove the front cover to reveal the terminals on the back plate
- Secure the back plate to a non-combustible flat surface or wall box
- Install the wiring as shown in the wiring diagrams below.

Wiring Diagrams

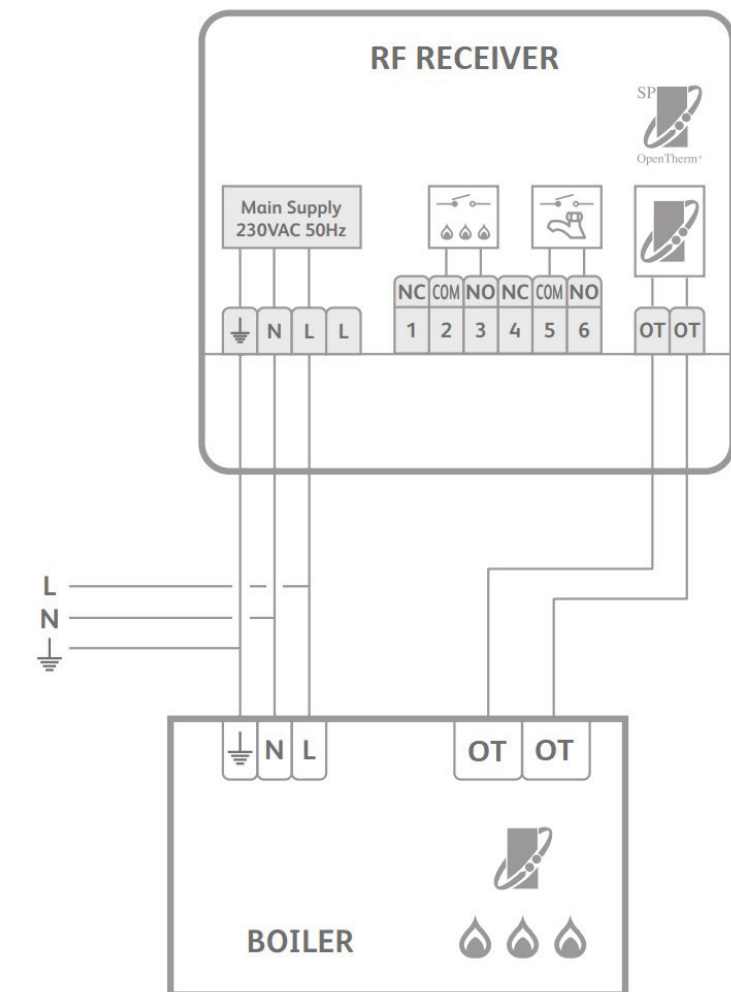
Volt Free Wiring



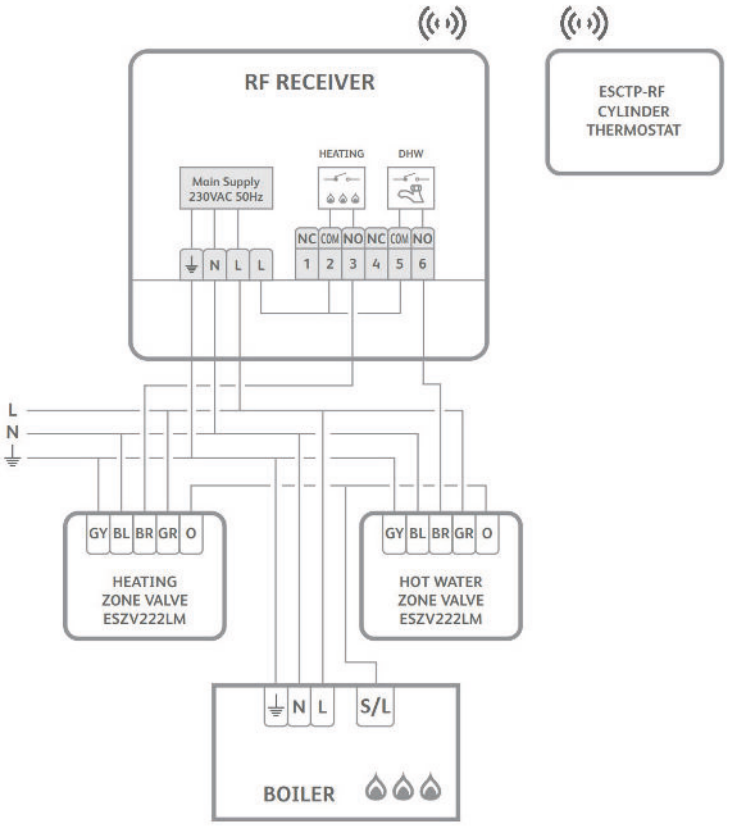
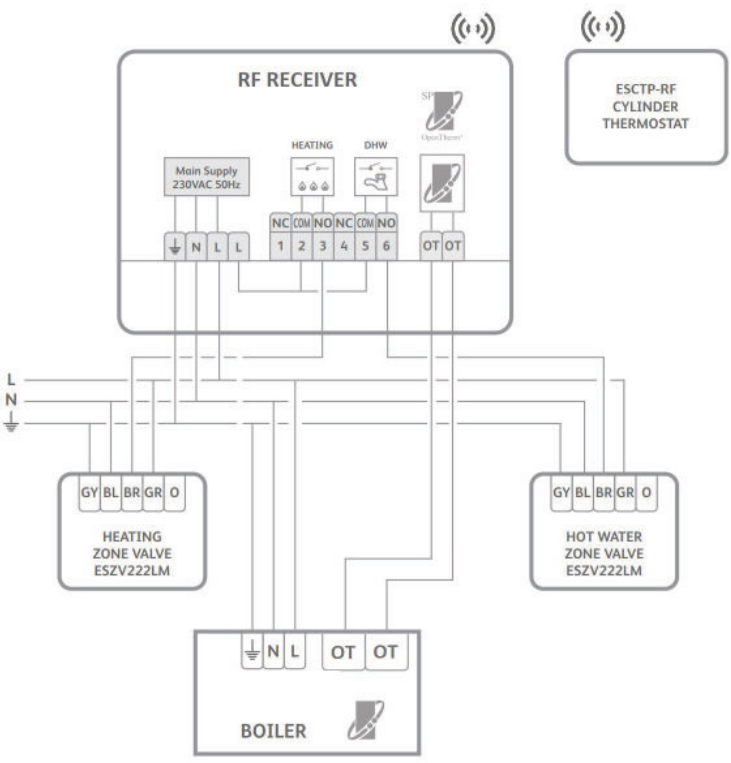
Switched Live Wiring



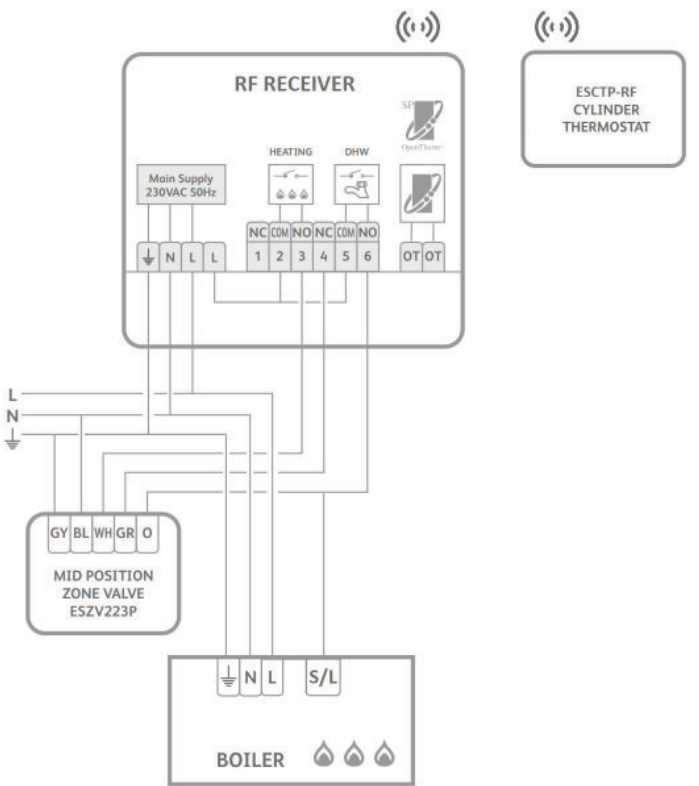
OpenTherm Wiring



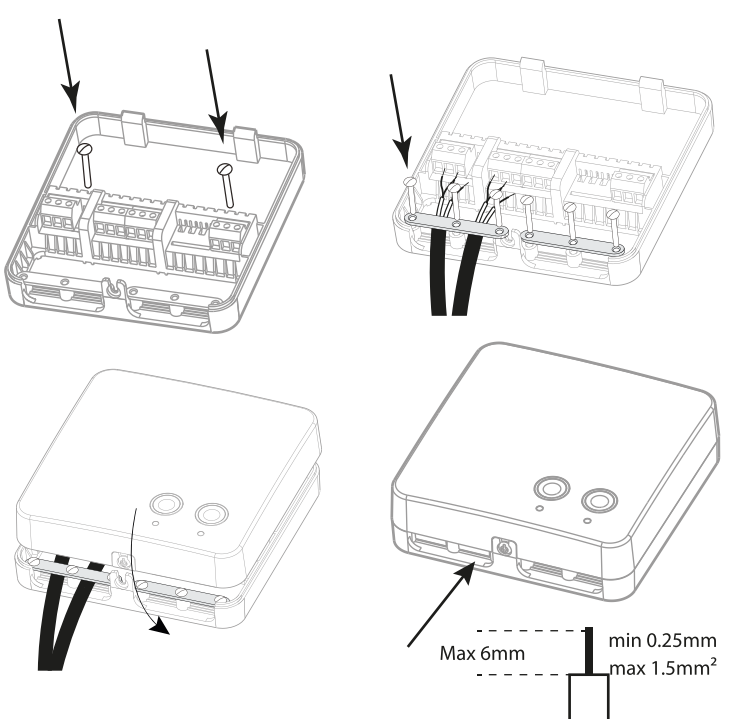
S-Plan Wiring



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.



2. Technical Data

	ESRTP4 Touch	Power Supply
Temperature Control Class	ErP Class V Product (3%)	
Energy Efficiency Technology	TPI (Chrono-proportional) Control, DS (Delayed Start)	
Programming	7 Day, 5/2 Day or 24 Hour	
Power Supply	2xLR6(AA) 1.5V	230V AC
Temperature Adjustment Range	5°C to 35°C	
Total Switch Rating		3(1)A
Heating Contact Type	5VDC	230VAC Switched Live
Temperature Sensor Type	Multi-thermistor with intelligent compensation	
Temperature Accuracy	+/- 1°C @ 20°C	
Enclosure Material	Flame retardant thermoplastic	
Ingress Protection Class	IP30	
Dimensions (main unit, excluding connections)	D = 14mm W = 87mm H = 88mm	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	

3. Advanced Settings

RF Pairing

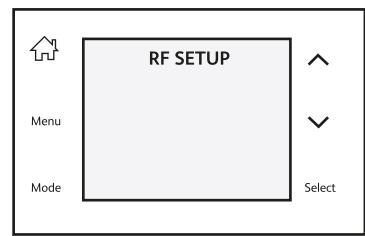
Your ES RTP4 Touch will be pre-paired to your RF receiver. If this bond is lost, follow these steps.

ON YOUR RF RECEIVER

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

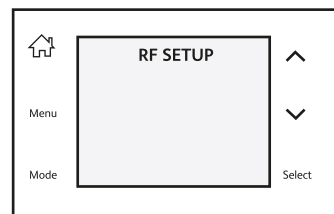
ON YOUR ES RTP4 TOUCH

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

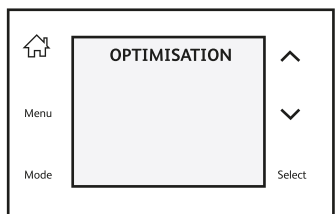


Press SELECT. Your ES RTP4 Touch and RF receiver will automatically pair.

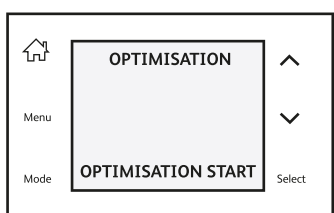
Optimum Start



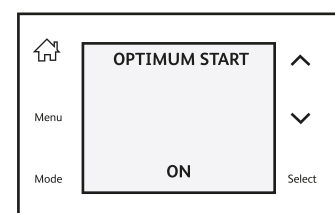
Enter the Advanced Menu as above.



Use AV to navigate to OPTIMISATION

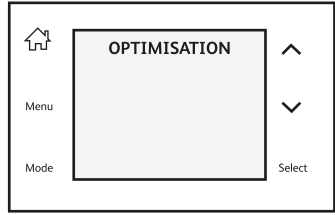


Press SELECT & use AV to toggle between OPTIMUM START and OPTIMUM STOP.

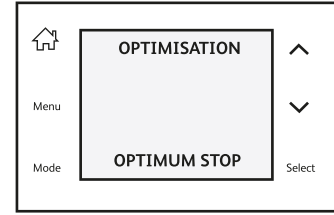


Press SELECT to choose OPTIMUM START. Use AV to select between ON & OFF. Press SELECT to save your setting. Press HOME to exit the menu.

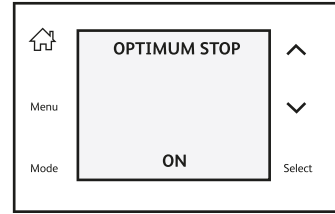
Optimum Stop



Enter the Advanced Menu as above. Use AV to navigate to OPTIMISATION

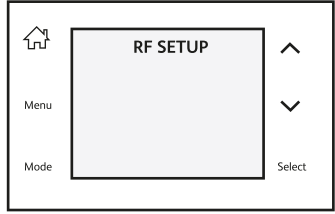


Press SELECT & use AV to toggle between OPTIMUM START and OPTIMUM STOP.

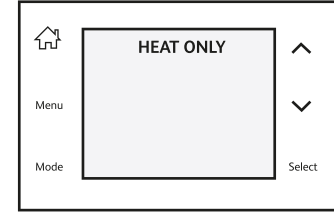


Press SELECT to Choose OPTIMUM STOP. Use AV to choose between ON and OFF. Press SELECT to save your setting. Press HOME to exit the menu.

Choosing Heating Type



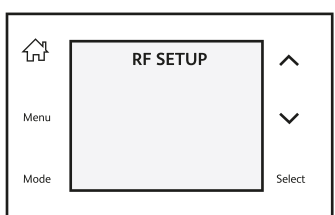
Enter the Advanced Menu as above. Use AV to navigate to HEATING TYPE. Press SELECT



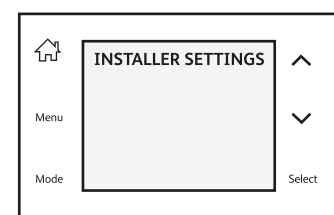
Use AV to choose between HEATING & HOT WATER or HEAT ONLY. Press SELECT. Press HOME to exit the menu

4. Technical Settings

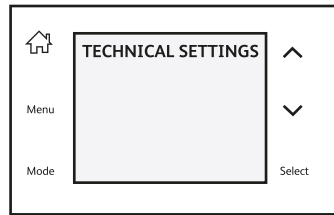
Low Temperature Protection



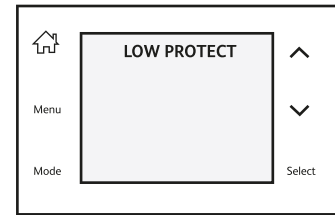
Enter the Advanced Menu as above.



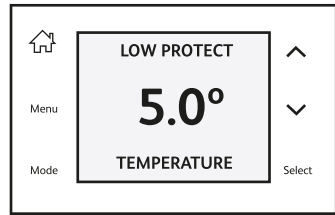
Use AV to navigate to INSTALLER SETTINGS



HOLD the SELECT button until the display shows TECHNICAL SETTINGS.



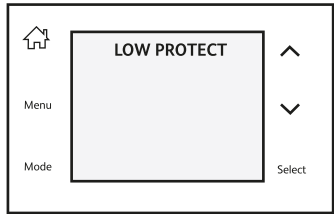
Press SELECT. The display will show LOW PROTECT. This is the Technical Menu.



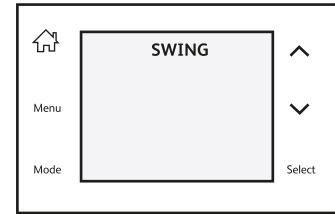
Press SELECT. Use AV to select a Low Temperature setting (between 0.5°C and 20.0°C).

Press SELECT to save your setting. Press HOME to exit the menu.

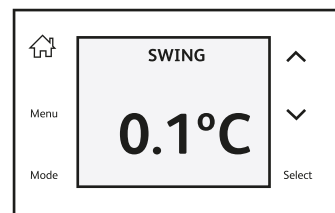
Swing



Enter the Technical Menu as above.



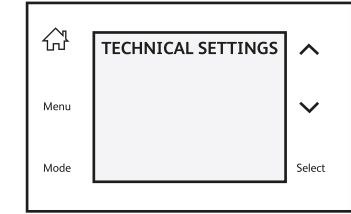
Use AV to navigate to SWING



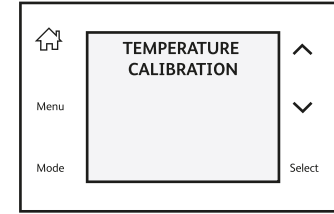
Press SELECT. Use AV to adjust the SWING setting (0.1°C to 3.0°C).

Press SELECT to save your setting. Press HOME to exit the menu.

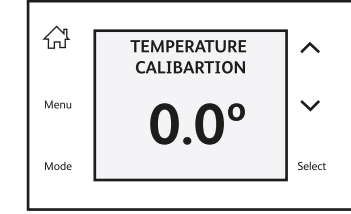
Manual Calibration



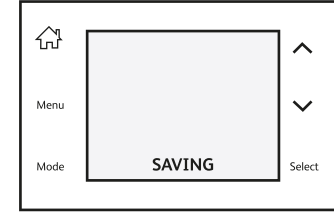
Enter the Technical Menu as above.



Use AV to navigate to TEMPERATURE CALIBRATION.

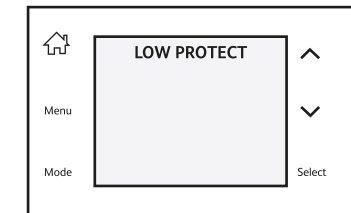


Press SELECT and use AV to adjust the CALIBRATION setting (-3.0°C to +3.0°C).

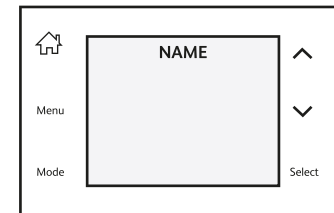


Press SELECT to save your setting. Press HOME to exit the menu.

Entering Installer Details

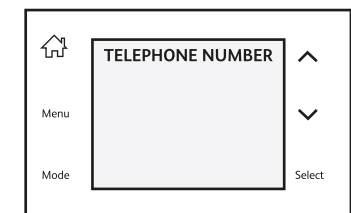


Enter the Technical Menu as above.

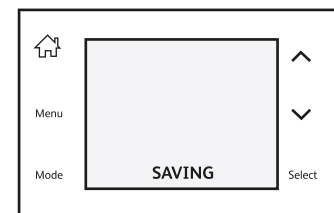


Use AV to navigate to INSTALLER DETAILS. Press SELECT. The display will show NAME. Press SELECT.

Use AV to input the installer name. Press SELECT to move onto the next character. Up to 12 characters can be used. When all 12 characters are set, press SELECT to save.

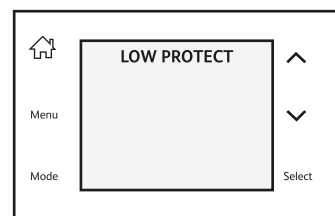


Press SELECT. Use AV to input the installer's telephone number up to 12 characters.

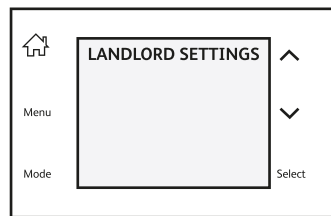


Press SELECT to save. Press HOME to exit the menu.

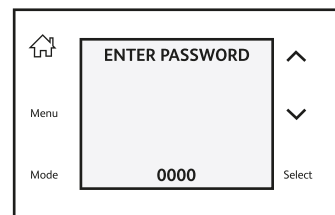
Landlord Settings



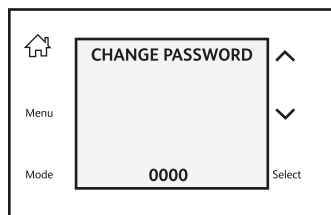
Enter the **Technical Menu** as above.



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

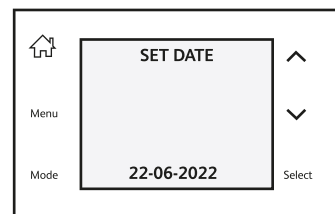


Enter your 4 digit Password. The default Password is 0000. Use **AV** to select the number & **SELECT** to move to the next digit.

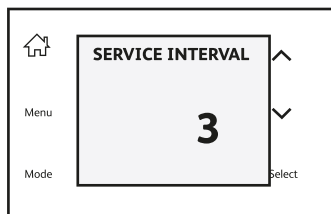


If the password is accepted, you will be prompted to enter a new password. Use **AV** to change the number and **SELECT** to move to the next digit.

You can keep your existing password by entering it again instead of changing it.



Press **SELECT** and use **AV** to set the date for the Gas Safety Inspection.



Press **SELECT**. Use **AV** to choose a Service Level from the options below.

OFF – Landlord settings are switched off.

Level 1 – Installer details will be displayed on the screen.

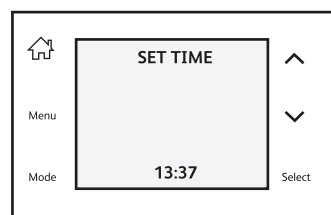
Level 2 – Installer details will be displayed on the screen. ES RTP4 Touch will only provide heat for 45 minutes per hour.

Level 3 – Installer details will be displayed on the screen. ES RTP4 Touch will only provide heat for 30 minutes per hour.

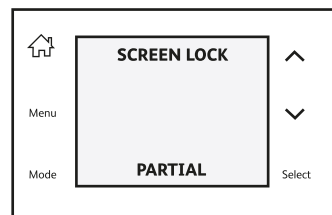
Level 4 - Installer details will be displayed on the screen. ES RTP4 Touch will only provide heat for 15 minutes per hour.

Screen Lock

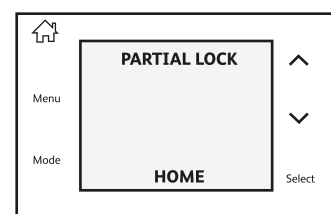
Partial Lock



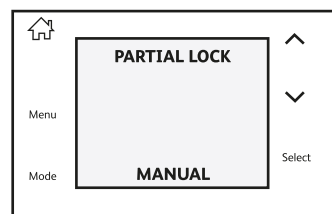
Press **MENU** and use **AV** to navigate to **SCREEN LOCK**. Press **SELECT**.



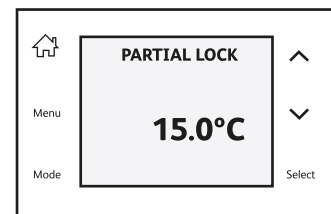
Use **AV** to select **PARTIAL**. Press **SELECT**. Use **AV** to choose either **HOME** or **MANUAL**. Press **SELECT**.



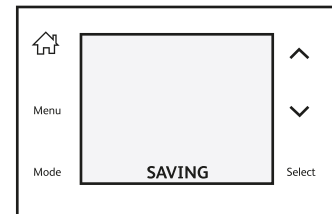
Choosing **HOME** will lock your thermostat to your program settings.



Choosing **MANUAL** will lock your thermostat without running any programs.



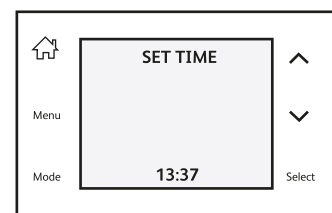
If you choose **MANUAL** Lock, you will be prompted to set a minimum temperature level.



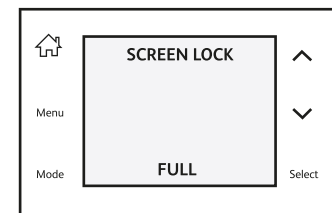
Use **AV** to set the temperature. Press **SELECT** to save.

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

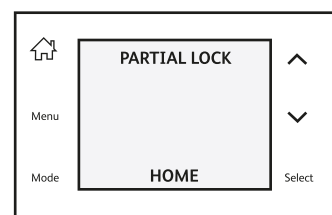
Full Lock



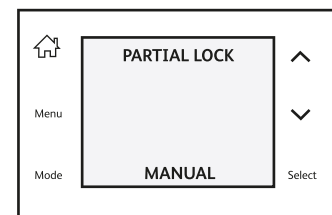
Press **MENU** and use **AV** to navigate to **SCREEN LOCK**. Press **SELECT**.



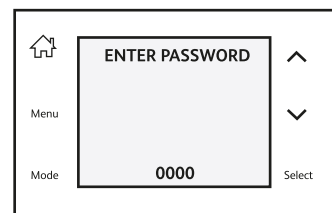
Use **AV** to select **FULL**. Press **SELECT**. Use **AV** to choose between **HOME** or **MANUAL**. Press **SELECT**.



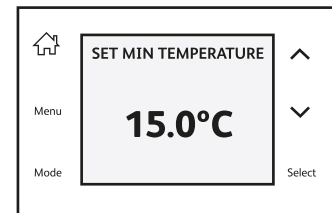
Choosing **HOME** will lock your thermostat to your program settings.



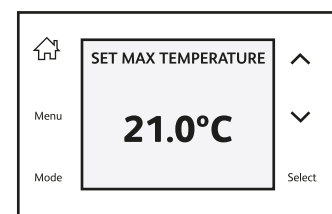
Choosing **MANUAL** will lock your thermostat without running any programs.



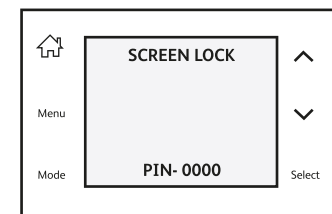
Enter your 4 digit Password. The default Password is 0000. Use **AV** to select the number & **SELECT** to move to the next digit. Press **SELECT**.



Use **AV** to enter a Minimum Temperature Setting. Press **SELECT**.



Use **AV** to enter a Maximum Temperature Setting. Press **SELECT**.



To remove Full Lock, press **HOME** & use **AV** to enter your PIN & **SELECT** to move to the next digit. Press **SELECT**.

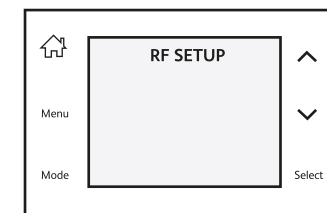
Additional Upgrades

Your ES RTP4 Touch can be upgraded to allow Wi-Fi connectivity by adding the ES WIFIHUB.

On your ES WIFIHUB

Hold the right hand button until the left hand button flashes green. Your WIFIHUB is now in RF Pair Mode.

On your ES RTP4 Touch



Enter the **Advanced Menu** as above. Press **SELECT**. Your thermostat & WiFi Hub will pair automatically.

Pairing With The ESi Centro App

When you have paired to a WiFi Hub, you can use your smartphone or tablet to regulate your heating by downloading the ESi Centro App. Simply follow the instructions on the app to pair your WIFIHUB to your home network.

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.



Energy Saving Innovative Controls Limited

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.