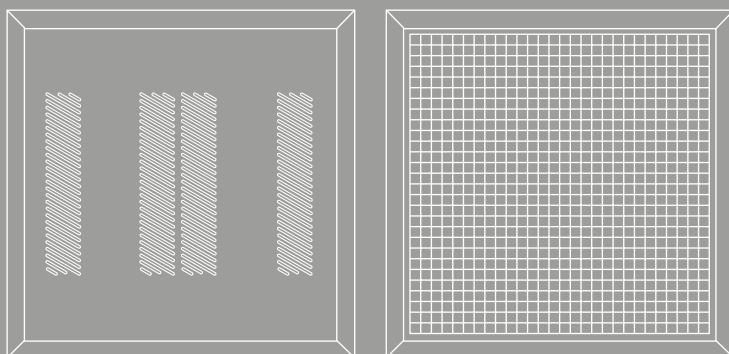


Caspian Skyline[®] E

Installation, commissioning
and user manual



Skyline E 4kW - HHPS01

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Introduction

The following items are included in the carton:

- Product complete with grille
- Grille fixing screws (9)
- Wireless wall controller

Note: This heater must be used with the HHPS01 wireless controller (supplied) It will not work without it.

In the event of any items missing or visible damage, please contact us on +44 (0) 1245 324560.

Please leave this Installation and User Manual with the owner of the property.

Declaration of conformity

EC Declaration of conformity

We, Smith's Environmental Products Limited
1-2 Blackall Industrial Estate
South Woodham Ferrers
Chelmsford
Essex CM3 5UW
Tel: 01245 324900 Fax: 01245 324422

Declare under sole responsibility that the products:

Product name:
Skyline E- 4kW

Product range:
Caspian Skyline

Listed above confirms with the following European Union directives:

Low Voltage Directive 2014/35/EU Safety Directive 98/37/EC
EMC Directive 2014/30/EU
Machinery (98/37/EC)

Standards comply with the above directives.

Safety Directive Standards:
EN 60335-2-30:2009+A11:12 in conjunction with EN 60335-1:2012 + A11:14 + A13:17 +A14:19+ A2:19
And deemed to comply

This Declaration is made on behalf of Smith's Environmental Products Limited

Symbols

This manual contains information and prescriptions marked by the following symbols:



Ignoring these safety provisions marked by the symbol "caution: hazard" may endanger the safety of people.



Ignoring these safety provisions marked by the symbol "caution: electricity" may endanger the safety of people, as well as the integrity of the equipment.



High temperature surface. Take utmost care to prevent people from getting in contact with the hot surfaces of the appliance.

Important safety and installation instructions

Prior to installation, read these installation and operating instructions. The installation and operation should also be in accordance with national regulations and accepted codes of good practice.



This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

To guard against injury, basic safety precautions should be observed, including the following:

1. Read and follow all safety instructions and all the important notices on the appliance before installing, using and maintaining the appliance. Failure to do so may cause personal injury or damage to the appliance or installation.
2. Always disconnect electrical supply before putting on or taking off parts and whilst the equipment is being installed, maintained or handled. Never work with bare feet and/or with wet hands.
3. Carefully examine the appliance before and after installation. Do not operate the appliance if it has a damaged supply cord or enclosure, or if it is malfunctioning or it is dropped or damaged in any manner. Inspect the appliance periodically.



4. Improper use.

Do not use this appliance:

- In locations where special conditions prevail, such as the presence of a corrosive or explosive atmosphere (dust, vapour or gas) (EN60335-2-51);
- For other than intended use.



5. Installation.

The appliance must be mounted in a stable/fixed position in a dry, well ventilated, frost-free, waterproof and protected place, with sufficient ventilation around it. Make sure that the appliance is securely and correctly installed before operating it and that there is enough room around it for maintenance operations, dismantling, checking for free inspection.

The maximum ambient temperature at which the appliance is to be used is 40°C (EN60335-2-51).

Important safety and installation instructions

Prior to installation, read these installation and operating instructions. The installation and operation should also be in accordance with national regulations and accepted codes of good practice.



6. Electrical connection

IMPORTANT: Connection to the power supply must be effected by means of a fixed power cable which is fitted with a plug-type connection or a two pole isolating switch with a minimum contact opening of 3 mm.

Electrical connection must be carried out by a qualified electrician and in accordance with local regulations and both data on the name-plate and the appropriate diagram inside the terminal box cover.

Follow all safety standards.

7. All electrical work should be carried out in accordance with current IEEE regulations; we recommend the appliance is protected by a Residual Current Device (RCD or Ground-Fault Circuit-Interrupter) with a rated residual operating current not exceeding 30mA.

8. Prior to any modification being made to the equipment, it must be agreed with and authorised by the manufacturer. Original spare parts and accessories authorised by the manufacturer are integral part contributing to the safety of the equipment and of the machines. The use of non original components or accessories may endanger the safety and causes the termination of the warranty. Safe operation is only assured for the applications and conditions described in Application of this manual.

Non-observance of the safety instructions results in the loss of any claims to damages.

The indicated limit values are binding and cannot be exceeded for any reason whatsoever.

KEEP THESE INSTRUCTIONS FOR FUTURE REFERENCE.

Application

This heater appliance is intended for use as a down draught air heater and can be mounted directly onto the ceiling or fitted into a 600 mm x 600 mm suspended ceiling tile frame. It is to be mounted with the underside between 2.5 and 3.0 metres from floor level. If exceeding 3 metres there will be a reduction in performance.

This heater appliance must not be used in bathrooms or similar high humidity areas.

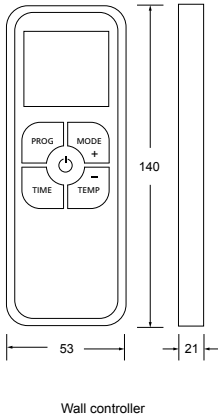
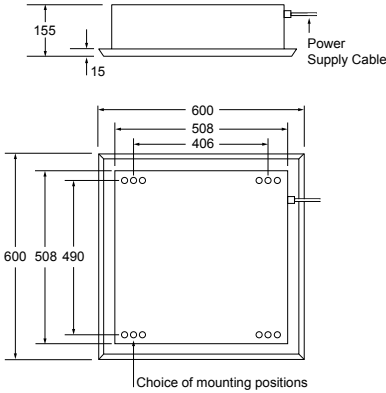
Product Complies with LOT20.

Please note:

The guarantee may be invalidated if this product is not installed and used in accordance with this guide.

This heater will NOT function without the wall mounted wireless controller (supplied). The controller can control an unlimited number of heaters.

Product performance

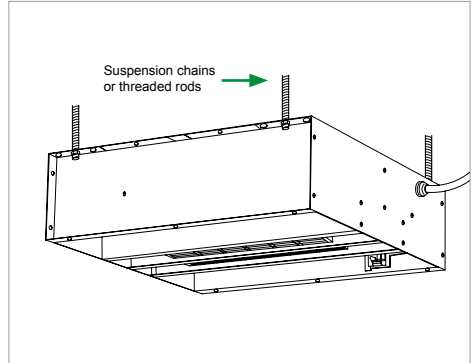


Heat output

Heat Output (kW)	Power Consumption (kW)	Fused spur	Mains Cable (m)
4.0	4.1	20A	1.5

Installation Preparation

- a) Ensure the mounting surface is capable of supporting this heater appliance and that the area can provide the installation clearances shown in diagram 1.



- b) If installing this heater appliance into a false or suspended ceiling, suitable suspension chains or rods (6 mm dia., threaded) will be required for attachment from the top of the heater appliance to the rigid or solid surface above the mounting area. When using this installation technique, it is recommended the four fixing points at the top corners of the heater appliance be used to minimise movement.
- c) An installation point for the heater appliance control must be selected, Controls as follows:
Wireless wall controller

The selected area must be free from moisture and no higher than 2 metres from the floor.

- d) Remove the fascia and fixing screws. Store these in a safe place until required.
- e) Remove the screws retaining the side panel marked Electrical Connections and take out the panel. Store these until required.

This heater appliance may be mounted in the following methods

To mount the heater appliance direct to the ceiling

A surface mounting kit is available as an accessory. This kit provides a 135 mm skirt between the fascia and the ceiling.

1. Drill six holes in the ceiling to match 6 (3 per side) of the 14 holes available in diagram.

Note: The installation clearances given must be kept outside the broken lines shown. The lines represent the outer edges of the fascia panel.

2. Plug the drilled holes according to the ceiling type and construction material.
3. Secure the heater appliance to the ceiling using screws suitable for the purpose.
4. Refer to the section under Electrical Connections.
5. Replace and secure the panel marked Electrical Connections.
6. Replace the fascia and secure with all the original screws.

To mount the heater appliance via suspension rods or chains

A ceiling tile spacer is available as an accessory. This kit allows the fascia to protrude 85 mm beneath the finished ceiling tile, matching the profile of the Skyline® CT18 hydronic model. A Surface mounting kit is also available which provides a complete four sided trim when fitted to a solid ceiling.

1. If the mounting area is to align with a false or suspended ceiling panel, then the holes must be centred to the panel.
2. Cut the suspension chains or rods to the required length for the installation. Secure to the mounting surface.
3. Secure the lower ends of the chains or rods to the top four corners of the heater appliance. Adjust the lengths of the chains or rods as necessary to ensure the heater appliance is true and level.
4. Refer to the section under Electrical Connections.
5. Replace and secure the panel marked Electrical Connections.

6. Replace the fascia and ensure it is secured with all the original screws.

Unit Operation

Please note: This heater will NOT function without the wall mounted wireless controller (supplied) . The controller can control an unlimited number of heaters.

Wireless Controller

The controller is primarily designed to minimise energy wastage and ensure the room is maintained at the comfort level set by the user. In the basic setting, the controller is a simple room thermostat in which the heater will run until the set temperature is reached. If the room temperatures falls the heater will switch on again until the set temperature is reached. The operating range is between 15°C and 35°C.

The controller also has a number of advanced features that, if required MUST be set during the installation process. Please discuss with your customer which features they require.

Choosing a position in a room

The HHPS01 controller should be fixed to the wall. Avoid areas with draught or direct sun. Do not position the controller above or close to the heaters or other heat sources. Damp areas or areas where HHPS01 can be mechanically damaged should also be avoided. Avoid installing the controller in areas where there are metal objects between the heater and the controller. This will reduce the RF range. The RF range in ideal conditions can be up to 20m however this can be reduced when the signal is passing through the walls or other objects. The range can be also affected where the controller is mounted close to power cables, motors or equipment producing strong electromagnetic field. If the temperature control feature is used it is necessary to use one controller for each room or zone.

HHPS01 Wireless Controller – Quick Set Up

1. Ensure the heater is installed and connected to the mains power supply.

DO NOT TURN THE MAINS POWER ON AT THE WALL UNTIL ASKED IN THE INSTRUCTIONS BELOW.



2. Unpackage the controller and install the batteries. Use a small Phillips screwdriver to release the controller from the bracket. The screen should now show the current room temperature.



3. Set the heater fan switch to **ON**. Switch on the power at the wall and **within 20 seconds** simultaneously press and hold the **PROG** and **MODE** buttons on the controller until the screen shows **PAIR**.

The controller will revert to showing room temperature and the heater unit will run. With water-based heating systems, if the central heating system is not turned on and the water temperature is cool then the unit will switch off after four seconds. Electric heaters will continue to run if the demand temperature is higher than the ambient room temperature.



Note: Failure to switch on the power and initiate pairing within 20 seconds will result in the heater and controller not being paired and the heater unit should be switched off at the wall and the pairing process should be restarted from Step 3.

4. The controller can be set into one of four modes – **BOOST, MANUAL, FROST PROTECT** and **AUTO**.

To cycle through the four modes press the **MODE** button so the screen backlight illuminates, then repeatedly press the **MODE** button until the required mode is shown on the screen.

If the **MODE** button is not pressed quickly enough then the controller will drop into the last mode that was selected as you were pressing the button and the next time you opt to change modes it will start again at the beginning of the list. Full details of each mode can be found in the controller manual.





5. To set the required thermostat temperature press the **TEMP** button to bring up the adjustment icon on the screen. Use the + and – buttons to select the required temperature. The radiator symbol will appear when heating is demanded.
6. On electric fan heaters, set the heat output switches on the front of the heater to the desired position.
7. To turn off the heating, press the **POWER** button in the centre of the controller (DO NOT HOLD THE BUTTON IN) to go into **STANDBY**. Pressing the power button again will switch the heating back on into the last mode that was selected, and with the last room temperature that was set.

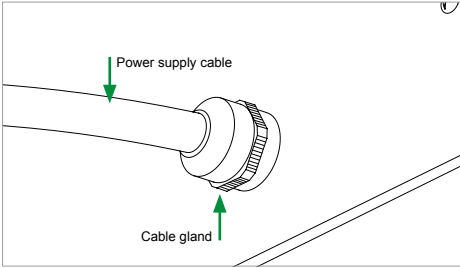
Electrical Connection

Heat Emitter

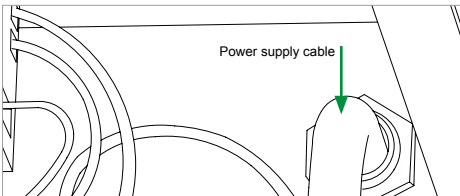
Connect the mains electrical supply cable (3 core, stranded 2.5mm²) via a switched fused isolator, fused at 20A to the heating appliance.

Do not energise the supply until the panels described have been returned and secured.

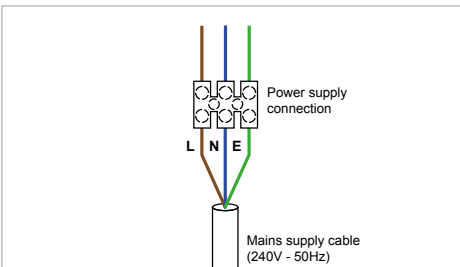
The electrical supply to this product should be via 2.5mm² stranded 3 core cable via a switch fused isolator fused at 20Amps.



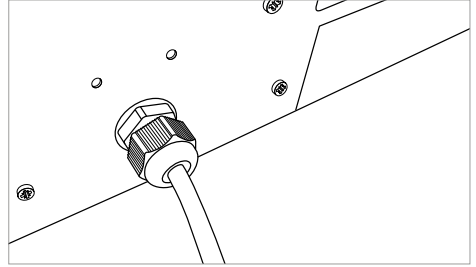
1. Locate the cable gland on the products chassis and loosen the clamping nut
2. Insert the supply cable into the cable gland
3. Feed the supply cable into the unit



4. With the supply cable inside the cable route the cable to the terminal block
5. Insert the cable into the relevant connections on the terminal block



6. With the electrical connections made ensure that the mains cable does not obstruct any moving parts of the fan

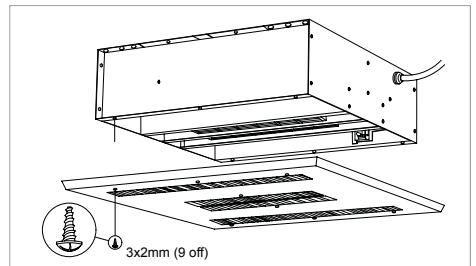
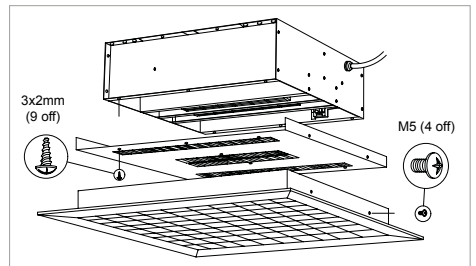


7. Tighten the clamping nut on the cable gland, once again ensure that wiring is not obstructing moving parts inside the product

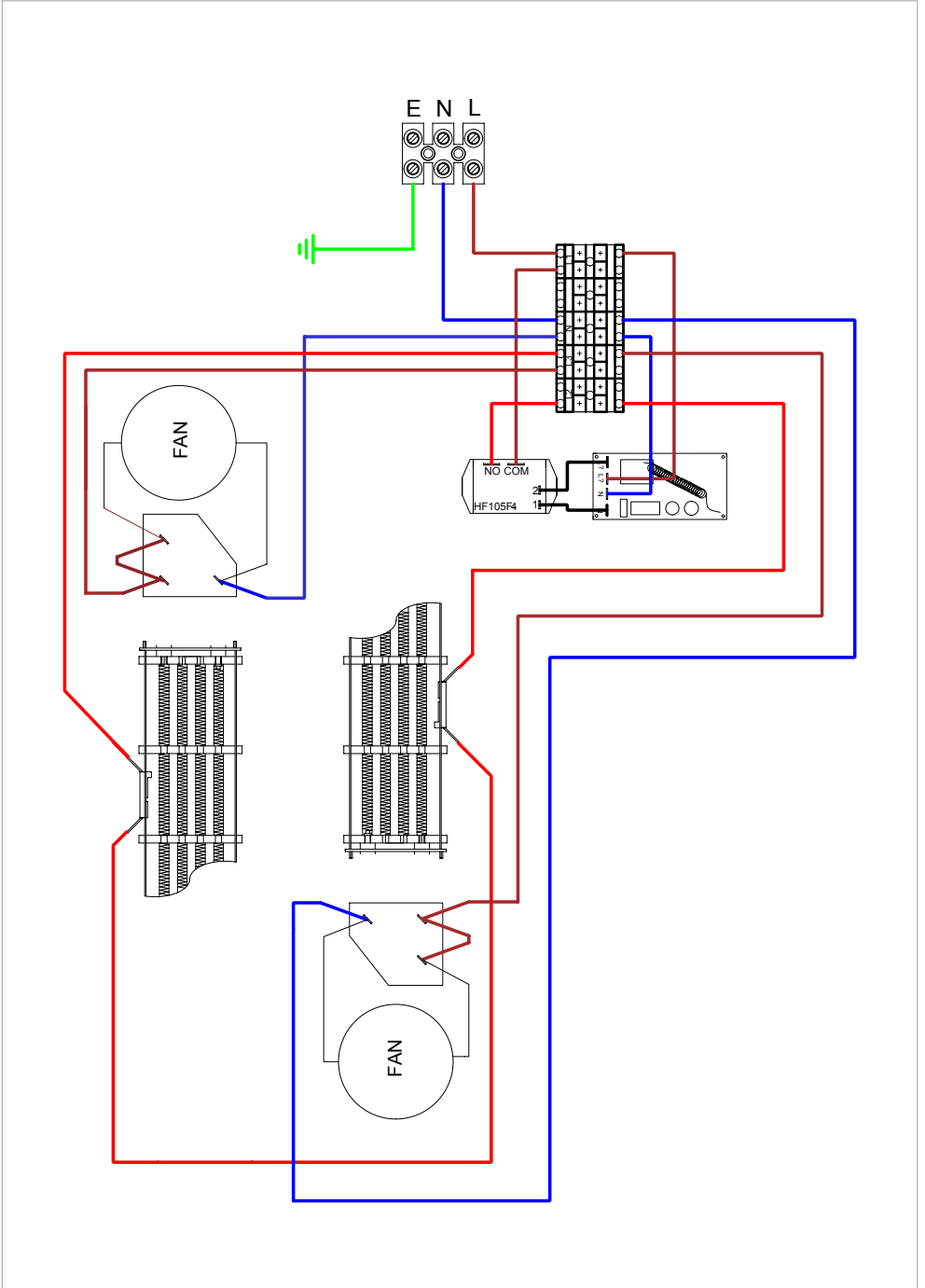
CT4E Grille fixing

- Align grille panel to heater unit and secure in position with all 9 screws provided.
- Ensure the grille panel is flat and free from distortions.

Do not disturb the inner components of the heater unit



Wiring scheme



Fault finding

In the event of any difficulty, please contact us on +44 (0) 1245 324560.

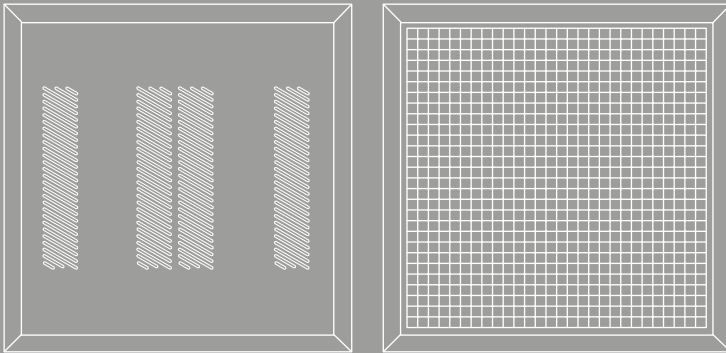
Fault	Checking/Solution
Fan does not run/no heat output	Check the power supply is switched ON Check fuse in fused spur Check the fan is switched on Check the battery in the controller and replace if necessary Check the wireless controller thermostat is calling for heat Check the wireless controller is paired to the heater
If the overheat protection has activated, manual reset as follows:	1. Switch the power supply OFF at the fused spur 2. Wait 5 minutes for the overheat cut-out switch to reset 3. Switch the power supply on

Wireless Controller Self Diagnostic

The controller is equipped with a self diagnostic software that will check functionality of all main components. If there is a fault with any part of the controller or controller is operating outside of the temperature limits, the display will show 'Err' on the display. If this happens, controller will not function in order to protect itself and the heaters.

Caspian Skyline[®] E

User manual



Skyline E 4kW - HHP501

Important safety and installation instructions

Please read this user manual before operating this appliance. The operation should also be in accordance with national regulations and accepted codes of good practice.



This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

To guard against injury, basic safety precautions should be observed, including the following:

1. Read and follow all safety instructions and all the important notices on the appliance before installing, using and maintaining the appliance. Failure to do so may cause personal injury or damage to the appliance or installation.
2. Always disconnect electrical supply before putting on or taking off parts and whilst the equipment is being installed, maintained or handled. Never work with bare feet and/or with wet hands.
3. Carefully examine the appliance before and after installation.
Do not operate the appliance if it has a damaged supply cord or enclosure, or if it is malfunctioning or it is dropped or damaged in any manner. Inspect the appliance periodically.



4. Improper use.

Do not use this appliance:

- In locations where special conditions prevail, such as the presence of a corrosive or explosive atmosphere (dust, vapour or gas) (EN60335-2-51);
 - For other than intended use.
5. Installation.

The appliance must be mounted in a stable/ fixed position in a dry, well ventilated, frost-free, waterproof and protected place, with sufficient ventilation around it. Make sure that the appliance is securely and correctly installed before operating it and that there is enough room around it for maintenance operations, dismantling, checking for free inspection.

The maximum ambient temperature at which the appliance is to be used is 40°C (EN60335-2-51).



Warnings (Wireless Controller)

- Do NOT handle the appliance with wet hands.
- Do NOT use the appliance in workshops or rooms where excessive dust is generated or present.
- Ensure that nothing is pushed into any aperture of this controller.
- Do NOT cover or restrict any aperture Do NOT use the appliance if damaged.
- Do NOT leave the appliance unattended where young children are present.
- Operating temperature range -10 to +40°C.

How it works

Cooler air is drawn in by the fan and heated as it passes through the heating element before being discharged gently back into the room. This not only gives a more even temperature spread, but will heat up a room quicker than a traditional panel radiator.

The controller has a number of advanced features that, if required MUST be set during the installation process. Please discuss with your customer which features they require.

Wall Controller



Batteries in Wall Controller

It is recommended that the battery is changed every 12 months to protect potential damage by batteries leaking (batteries are supplied with the controller)

You do not need to re-pair after batteries have been changed (pairing is done by programming the chip memory)

How to operate

1. Before switching the heater on, please ensure the fascia grille is free from obstruction.
2. Ensure your fused spur is switched ON.
3. Ensure the controller is paired with the heater (see page 7).
4. Set the wireless thermostat to the desired temperature.
5. Providing the thermostat set point is set to a higher temperature of that in the room the heater will turn on.

For your safety this heater is fitted with an automatic overheat protection. If the heater stops, turn off the power at the fused spur, wait 5 minutes and switch the power back on.

Fault finding

This product is covered by a free 5-year parts and labour guarantee.

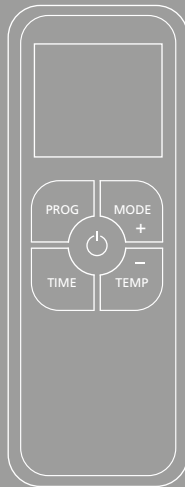
Please refer to the Fault finding table below for advice.

In the event of difficulty, please contact us on +44 (0) 1245 324560.

Fault	Checking/Solution
Fan does not run/no heat output	Check the power supply is switched ON Check fuse in fused spur Check the fan is switched on Check the battery in the controller and replace if necessary Check the wireless controller thermostat is calling for heat Check the wireless controller is paired to the heater
If the overheat protection has activated, manual reset as follows:	<ol style="list-style-type: none">1. Switch the power supply OFF at the fused spur2. Wait 5 minutes for the overheat cut-out switch to reset3. Switch the power supply on

HHPS01 Controller

Installation and control
user manual



HHPS01
WIRELESS CONTROLLER

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Introduction

In the event of items missing or visible damage please contact us on 01245 324560.

Keep the batteries out of reach of children

- Do NOT use if the battery compartment is not secure
- Dispose of used batteries correctly and safety
- Operating temperature range -10 to +40°C.

Please note the guarantee may be invalidated if this product is not installed and used in accordance with this guide.

Declaration of conformity

In accordance with UK Government Guidance.

THE APPLIANCES DETAILED HEREON HAVE BEEN INSPECTED AND TESTED, AND CONFORM TO THE REQUIREMENTS OF THE FOLLOWING UK STATUTORY INSTRUMENTS WHERE APPLICABLE:

Electrical Equipment (Safety) Regulations 2016
SI. 2016 1101

Electromagnetic Compatibility Regulations 2016
SI. 2016 No. 1091

Radio Equipment Regulations 2017
SI. 2017 No. 1206

The Ecodesign for Energy Related Products and Energy Information (Amendment) (EU Exit) Regulations 2019. SI. 2010 2617

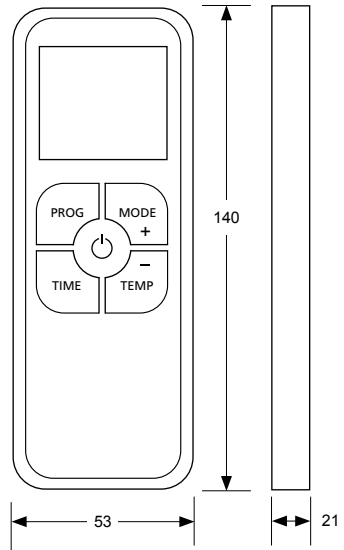
The Restriction of use of Certain Hazardous Substances. SI. 2012 No. 3032

The Waste Electrical and Electronic Equipment Regulations 2013. SI. 2013 No. 3113

Transposed standards used:

BSEN55014 (2006)
BSEN301 489.1 & .3
BSEN300 220.1 & .2
BSEN60730.2.9
BSEN60335.1(2012)
BSEN60335.2.30 (2009)

Product dimensions



Overview

The HHPS01 wireless controller can control an unlimited number of products provided they are within range. To do this, the controller must be paired with each heater. **The heater will not operate until it has been paired to the controller.**

Pairing the heater to the HHPS01

In order to pair your appliance with the controller you must:

- Ensure power to the appliance is OFF.
- Set the heater fan switch to ON.
- Turn the power to the appliance ON.
- Within 20 seconds, press and hold the PROG and MODE buttons on the controller until the display shows 'PAIR'
- The fan should run and the appliance ready to be used.

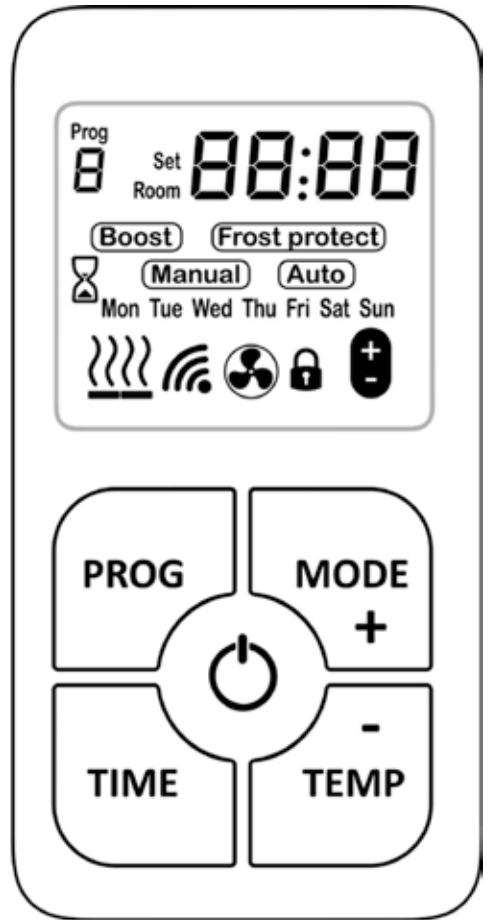
Basic operation

The HHPS01 also has a **STANDBY MODE**. To enter/exit this mode, press the standby button. In **STANDBY MODE**, the heating will not be activated and the display will be blank.

The HHPS01 has 4 standard operating modes: **BOOST, MANUAL, FROST PROTECT and AUTO**. Each mode can be selected by pressing the MODE button to cycle through the options. The cycle sequence will always start with **BOOST** mode followed by **MANUAL, FROST PROTECTION** and **AUTO**.

The HHPS01 also has two special operating modes. These are **MANUAL CONTROL MODE** and **LOCAL TEMPERATURE CONTROL MODE**. These are accessed via setup menu.

To adjust the operating mode/settings of the HHPS01, the display must first be activated. If the controller is in **STANDBY MODE**, press the power button. The controller will exit standby mode and the display will be activated for 10 seconds. If the controller is not in **STANDBY MODE**, press any of the TIME, TEMP or MODE buttons once. The display will be activated for 10 seconds.



Boost mode

The boost feature increases the room temperature for 15 minutes.

To amend the set temperature when in **BOOST** mode, activate the display and then press TEMP. Next, use the + and - buttons to change the temperature. Once the temperature is set, you can leave the display to return to the main screen and the settings will be saved. After 15 minutes, the HHPS01 will return to the previous operating mode.

Whilst in boost mode, activate the display and press the PROG button to increase the boost period. The boost period can be increased up to 4 hours. This will reset back to 15 minutes once you exit boost mode.



Manual temperature mode

In **MANUAL** mode, the heater maintains a chosen set temperature between 15°C and 35°C. To amend the set temperature when in **MANUAL** mode, activate the display and then press TEMP. Next, use the + and - buttons to change the temperature. Once the temperature is set, you can leave the display to return to the main screen and the settings will be saved.

When the room temperature reaches the set temperature, the heating is disabled.

Frost protection mode

In **FROST PROTECT** mode, the heater maintains a chosen set temperature between 4°C and 15°C. To amend the set temperature when in **FROST PROTECT** mode, activate the display and then press TEMP. Next, use the + and - buttons to change the temperature. Once the temperature is set, you can leave the display to return to the main screen and the settings will be saved.



Auto mode

In this mode, the HHPS01 will follow the week's time / temperature program.

The temperature can be temporarily overridden in **AUTO** mode by simply activating the display and using the + and - buttons to set the new temperature. The new set temperature will be then maintained until the next program step.

Advance mode can be used to advance to the next program. To do this, press PROG whilst in AUTO mode. To clear advance mode, press PROG. The program currently active is indicated in the top left of the display.

Information on how to set up the program schedule can be found on pages 7 & 8.



Heat symbol

Every time there is a demand for heat, the display will show the heat icon.




Full heat



Half heat (RX only)

Keys locking

Press and hold TIME and TEMP together for 5 seconds. The display will show the symbol.  Repeat the step to unlock.



Open Window Detection

Ensuring you don't waste energy on heating the outside world, the heater is equipped with optional open / closed window detection. The heater recognises sudden drops in temperature when a window or a door is opened and turns the heating off to save energy. When the window is closed, the heater will automatically detect a temperature rise, and switch itself back on. Once enabled in the setup menu, the open window detection is fully automatic and does not require any human intervention to be activated. When open window detection has been triggered, the heat symbol will flash on/off as shown below.



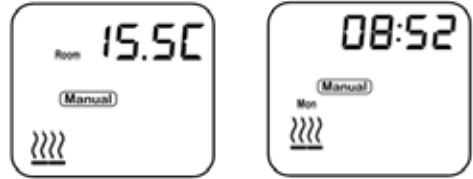
Setting-up Open Window Detection

The system has been factory set to default time and temperature values. If necessary, all values can be adjusted. When the heating is on, open window detection sensor will automatically switch the heater off when it detects a fall in temperature of 2°C in less than 10 minutes (this temperature can be changed in menu 8 and time in menu 7). If a temperature rise of 2°C in less than 30 seconds is detected, the heater will switch itself back on (this temperature can be changed in menu A and time in menu 9).

Displaying the time/temperature

The HHP501 can display either the time & day or the room temperature when in one of the 4 standard operating modes.

Press the TIME button to alternate between the two options.



Setting the time and day

To set the time and day, follow the steps below;

Step 1: Press and hold the TIME button for 5 seconds. The minutes will flash. Use the + and - buttons to adjust the minutes.



Step 2: Press the TIME button. The hours will flash. Use the + and - buttons to adjust the hours.

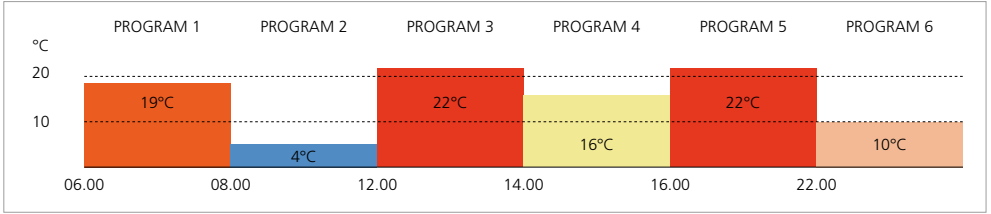


Step 3: Press the TIME button. The day will flash. Use the + and - buttons to change the day. Once set, press the TIME button to return to the main screen.

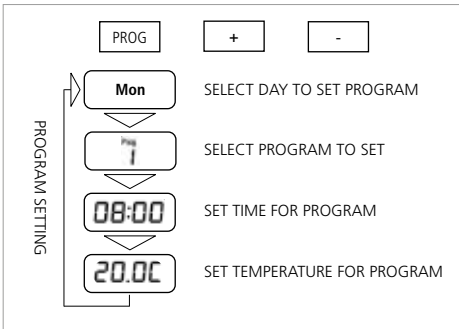


Setting the automatic program schedule

An example of one day program on HHP501



Logic diagram for setting program on HHP501



This section provides an example of how to set the 7-day program for one day. The example will program the timer to maintain 21°C from 08:00 until 16:00. It will maintain 4°C from 16:00 onwards; It does this by setting the programs as follows;

Prog 1 - Set to 08:00 and 21°C

Prog 2 - Set to 16:00 and 4°C

Prog 3, 4, 5, 6 - Set to inactive

The steps to program this are shown below;

Step 1: Press and hold the PROG button. The display below should show with Monday flashing



Step 2: Press the PROG button. Prog 1 in the top left of the display should flash. This represents the program number. Each day has 6 programs.



Step 3: Press the PROG button. The time should flash. Use the + and - buttons to set the time you want the heating to switch on.



Step 4: Press the PROG button. The temperature should flash. Use the + and - buttons to set the temperature you want to maintain.



Step 5: Press the PROG button. Monday should flash again.



Step 6: Press the PROG button. Prog 1 in the top left of the display should flash. Use the + button to increment this to Prog 2. (Note: you can cycle between the different programs using the + and - buttons)



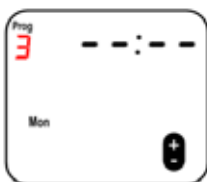
Step 7: Press the PROG button. The time should flash. Use the + and - buttons to select the time you want the heating to switch off.



Step 8: Press the PROG button. The temperature should flash. Use the + and - buttons to select a frost protection temperature.



Step 9: Repeat these steps for programs 3-6 if additional time periods are required. Any programs not being utilized must be deactivated. To do this, simply select the program in question as per step 6 and press the TIME button. The time should change to dashes as shown below. To reactivate the program, simply press the TIME button again.



Automatic program overview

The HHPS01 has a 7-day, 5-day 2-day and a 24 hour timer available. This can be chosen in the setup menu. Up to 6 programming steps are available for each day. In the programming you can set a start time and a temperature for each program.

Basic operation

1. Press and hold PROG for 5 seconds to enter the program setting.
2. The day will be flashing. Use + and - to navigate day, press PROG to select day.
3. PROG 1 will be flashing. Use + and - to navigate program, use PROG to select program.
4. The time will be flashing. To set time, use + and -, press PROG to set the time.
5. The temperature will be flashing. To set temperature, use + and - to change temperature, press PROG to set temperature.

To add another program repeat steps 2-10.

Set program inactive

If you do not require the use of all 6 programs they can be deactivated. When in programming mode select the program you want to make inactive and press the TIME button. To activate the program again, press the TIME button.



Copy day function

If you require the same set of programs throughout the week, a 24 hour timer is available. This will use the same program every day. A 5-day + 2-day timer is also available. This will use the same programs Monday-Friday, and the same programs Saturday and Sunday. These modes are enabled in the setup menu, as explained on page 9.

Alternatively, it is possible to copy a program from one day to another. To do this, follow the steps below;

Step 1: Press and hold PROG for 5 seconds to enter the program setting.



Step 2: Press and hold TIME for 5 seconds to enter the copy day setting.



Step 3: Use the PROG button to select the day to copy the programs from. 1= Monday, 2 = Tuesday and so on.



Step 4: Use the + and - buttons to select the day to copy the programs to.



Step 5: Press the TIME button to copy the programs. The 'TO' will flash to confirm the programs have been copied.



Setup menu

1. Press and hold TEMP and MODE together for 5 seconds.
2. The display will enter the setup menu.
3. Use + and - to change a value.
4. Use TIME to scroll between the settings.
5. Use PROG to exit the setup menu

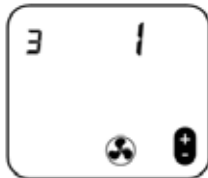
1 - Temperature calibration

The temperature reading is factory calibrated but if for any reason it needs adjusting (better accuracy required, to suit different position in the room etc.), the reading can be recalibrated in 0.5 degree steps.

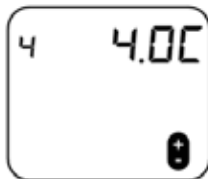


3 - Adjust fan speed

(Select models only. Does not apply in manual control mode)



4 - Set minimum temperature



5 - Set maximum temperature



6 - Enable/disable open window detection



7 - Open window detection time



8 - Temperature drop in open window detection time



9 - Closed window detection time

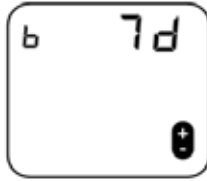


A - Temperature rise in closed window detection time



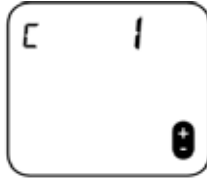
B - Program mode select.

Choose between a 7-day, 5-day 2-day or a 24 hour timer.



C - Select operating mode:

1 = temperature control
2 = manual control

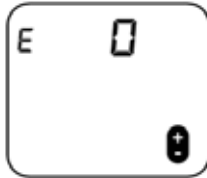


D - Enable/disable SL wireless signal



E - Compatibility modes:

0 = Normal operation



Choosing a position in a room

When using the HHPS01 for temperature control, a suitable position in the room should be chosen. Avoid areas with draught or direct sun. Do not position HHPS01 above or close to the heaters or other heat sources. Damp areas or areas where HHPS01 can be mechanically damaged should also be avoided. Typically 1.2 to 1.5m above floor level.

Installing the controller

The controller can be left free-standing or mounted to the wall in a suitable location.

To mount the controller to the wall, the supplied wall bracket should be used. Install the bracket using the 2 screw holes provided as shown in the image.



The bracket acts as a holder for the controller. The controller can be removed from the bracket easily to operate as a handheld device. Alternatively, a locking screw can be attached from the bottom of the device to permanently fix the controller to the bracket.



Batteries

The HHPS01 is battery powered. Remove the battery cover and insert 2 new high quality alkaline AA batteries.

Warning: Smith's is not responsible for damage due to corrosion. Battery leakage will cause permanent damage.

To help avoid battery leak:

- Replace the batteries annually, even if there is not a low battery warning. Remove failing or flat batteries immediately.
- Always fit new high quality alkaline batteries from the same pack. Never mix new and old batteries, or batteries of different brands or types.
- Never attempt to revive alkaline batteries by heating, crushing or recharging.

Note: The clock has to be reset after replacing the batteries. The program settings will be remembered.

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