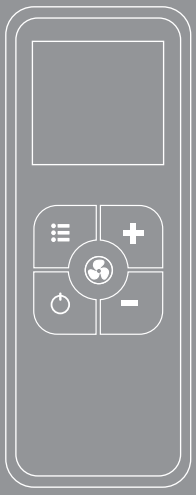
HHPS02 Controller

Installation and control
user manual



HHPS02
WIRELESS CONTROLLER

Issue 001 | October 2026
ENGLISH | UK | IRL | SmithsEP.co.uk

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Introduction

In the event of items missing or visible damage please contact us on 01245 324900.

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 +40ºC.

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

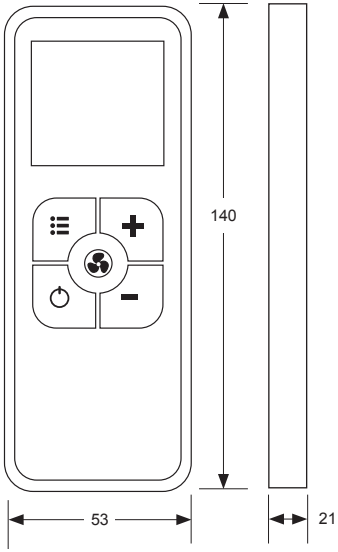
The Waste Electrical and Electronic Equipment Regulations 2013. SI. 2013 No. 3113

Security Requirements for 'Connectable Products' PTSI ACT 2022

The Product Security and Telecommunications Infrastructure (Security Requirements for Relevant Connectable Products) Regulations 2023

Transposed standards used:
BS EN 55014 (2006)
BS EN 301489.1 & .3
BS EN 300220.1 & .2
BS EN 60730.2.9
BS EN 60335.1 (2012)
BS EN 60335.2.30 (2009)
ETSI BS EN 303645
EN 50663 (2017)
EN 60730-2-9 (2010)
EN 60730-1 (2011)
ETSI EN 300 220-1 V3.1.1 (2017-02)
ETSI EN 300 220-2 V3.2.1 (2018-06)
ETSI EN 301 489-1 V2.2.2 (2019)
ETSI EN 301 489-3 V2.1.1 (2019)

Product dimensions





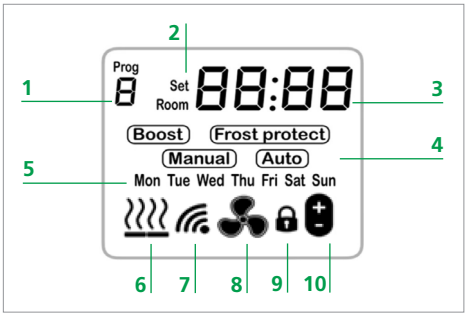
Overview

IMPORTANT – THE HHPS02 MUST BE PAIRED TO EACH HEATER, OTHERWISE THE HEATERS WILL NOT WORK

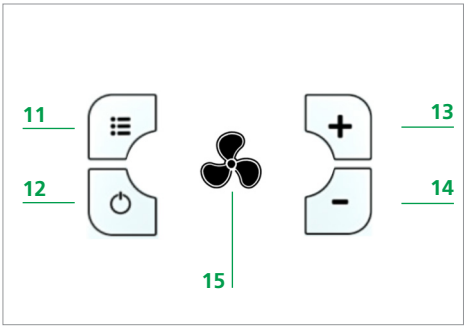
The HHPS02 Wireless Controller can control multiple products at the same time.

Getting to know your HHPS02 wireless controller

1. Programme number in AUTO mode
2. Indication of displayed temperature
3. Time or temperature
4. Operating mode
5. Days
6. Heating active symbol
7. RF signal symbol
8. Fan Speed icon
9. Anti-tamper lock
10. Adjustment possible symbol



11. MENU Button
12. STANDBY button
13. PLUS (+) button
14. MINUS (-) button
15. FAN button



Pairing controller with heater

THIS MUST BE DONE, OTHERWISE THE HEATERS WILL NOT WORK.

1. Ensure mains power to the heater is OFF for 30 seconds minimum.
2. Turn mains power to the heater ON.
3. Within 20 seconds, press and hold the 'MENU' and '+' buttons on the controller until the display shows 'PAIR'
4. The heater will switch on. If the heating is set to off, after 4 seconds the heater will turn off.
5. The heater is now ready to be used.

Heating not working

- Check power is available to the heater.
- Check the LCD display isn't blank on HHPS02. If so, replace batteries.
- Check for green light on the heater.
- Is the HHPS02 paired with the heater?
- Check that the overheating protection on the heater has not operated.
- Check that the fuse in the fused connection unit has not blown. This fuse can be replaced.
- Should none of the above remedies work, then please telephone the helpline number. Do not attempt to repair the heater.

Setting the time and day

To set time ensure controller is in 'Manual' mode.

Press and hold the 'MENU' button for 5 seconds. Once, Minutes are flashing, use '+' and '-' buttons to set minutes.

Press 'MENU' button again, Hours will flash, use '+' and '-' buttons to set hours.

Press 'MENU' button again, Day is flashing, use '+' and '-' buttons to set Day. Once setting is completed, press 'MENU' to return to main screen.

Installation

Choosing a position in a room

When using the HHPS02 for temperature control, a suitable position in the room should be chosen.

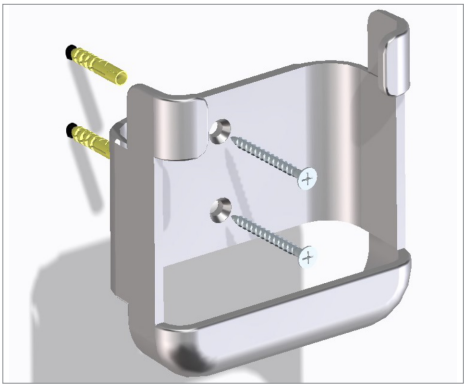
- Avoid areas with draught or direct sun.
- Do not position HHPS02 above or close to the heaters or other heat sources.
- Damp areas or areas where HHPS02 can be mechanically damaged should also be avoided.

Mounting 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 diagram below.

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.



Basic Operation

The HHPS02 has 4 standard operating modes: BOOST, MANUAL, FROST PROTECT and AUTO.

Each mode can be selected by short pressing of the 'MENU' button to cycle through the options. Adjust the temperature by pressing '+' and '-' buttons. When the room temperature reaches the set temperature, the heating will be deactivated.

Boost Mode



The boost feature increases the room temperature for 15 minutes.

To amend the set temperature when in BOOST mode, use the '+' and '-' buttons. 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 HHPS02 will return to the previous operating mode.

Manual 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, use the '+' and '-' buttons. Once the temperature is set, you can leave the display to return to the main screen and the settings will be saved.

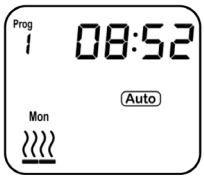
Frost protection mode



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, use the '+' and '-' buttons. Once the temperature is set, you can leave the display to return to the main screen and the settings will be saved.

Auto control mode



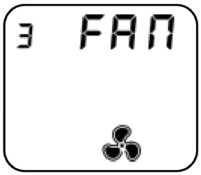
In this mode, the heater will follow the week's time / temperature program.

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

Fan mode

FAN mode is not available on this product. As such, Setting 3 in the Options Menu should be set to OFF to disable this function from appearing on the handset.





Standby mode

The HHPS02 also has a STANDBY mode. To enter/ exit this mode, press the 'STANDBY' button.

Heat symbol

The full heating symbol is displayed when the set temperature is over 1°C above the measured room temperature. When the difference between the set and measured temperature is down to 0.5°C the heating symbol changes to the half heating icon. When the room is up to temperature the heating symbol disappears and the fan switches off.





Full heat



Half heat

Keys locking

Press and hold + and - 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.

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, the 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).

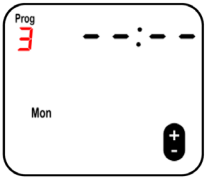
Automatic program overview

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.

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 'FAN' button. To activate the program again, press the 'FAN' 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 from Monday to Friday, and the same programs from Saturday to 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 these steps.

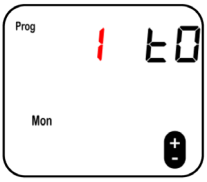
Step 1: Press and hold 'MENU' for 5 seconds to enter the copy day setting.





Step 2: Use the 'MENU' button to select the day to copy the programs FROM.

1 = Monday
2 = Tuesday
3 = Wednesday
4 = Thursday
5 = Friday
6 = Saturday
7 = Sunday



Step 3: Use the '+' and '-' buttons to select the day to copy the programs TO.

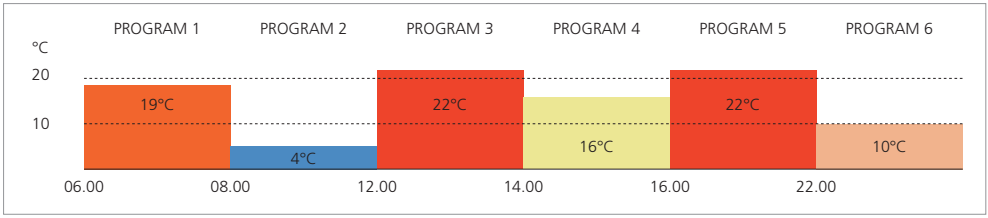


Step 4: Press the 'FAN' button to copy the programs. The 'TO' will flash to confirm the programs have been copied.

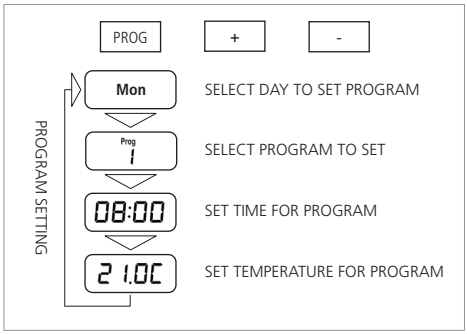


Setting the automatic program schedule

An example of one day program on HHPS02



Logic diagram for setting program on HHPS02



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 'MENU' button. The display below should show with Monday flashing



Step 2: Press the 'MENU' 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 'MENU' button. The time should flash. Use the '+' and '-' buttons to set the time you want the heating to switch on.



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



Step 5: Press the 'MENU' button. Monday should flash again.



Step 6: Press the 'MENU' 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 'MENU' button. The time should flash. Use the '+' and '-' buttons to select the time you want the heating to switch off.

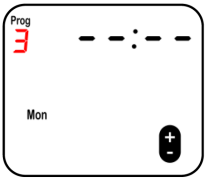


Step 8: Press the 'MENU' button. The temperature should flash. Use the '+' and '-' buttons to select a frost protection temperature.



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





Setup menu

1. Press and hold 'MENU' and '-' together for 5 seconds.
2. The display will enter the setup menu.
3. Use '+' and '-' to change a value.
4. Use 'MENU' to scroll between the set-tings.
5. Use standby button to exit the setup menu

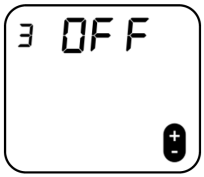
1 - Temperature calibration
The temperature reading is factory calibrated but if for any reason it needs adjusting (better accuracy required, to suit different position in the room etc.), the reading can be recalibrated in 0.5 degree steps.



2 - Cold blow only mode enable/disable
Not applicable.
Set to ON.



3 - Fan speed enable/disable
Not applicable.
Set of OFF.



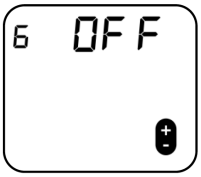
4 - Set minimum temperature



5 - Set maximum temperature



6 - Enable/disable open window detection



7 - Open window detection time



8 - Temperature drop in open window detection time



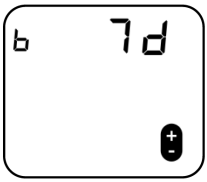
9 - Closed window detection time



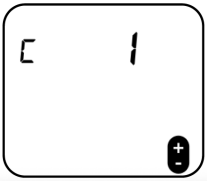
A - Temperature rise in closed window detection time



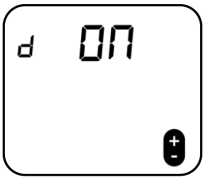
B - Program mode select.
Choose between a 7-day, 5-day 2-day or a 24 hour timer.



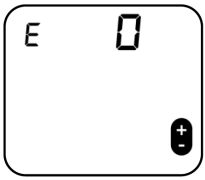
C - Select operating mode:
Not Applicable.
Set default to 1.



D - Enable/disable SL wireless signal



E - Compatibility modes:
Not Applicable.
Set default to 0.



Registering your product

Thank you for purchasing a Smith's product. It has been designed and manufactured to the highest quality standards to ensure it gives you efficient and trouble-free service for many years. We are committed to achieving the highest standards and our faith is supported by a free parts and labour guarantee with every product.

For more information on the warranty period for this product please visit our website smithsep.co.uk/product-registration/

This gives you the peace of mind that in the unlikely event of product failure, we will repair or replace the product completely free of charge providing the product has been installed, used and maintained in accordance with the instructions. Your statutory rights are not affected by this warranty.

It is important to register as soon as possible online at: smithsep.co.uk/product-registration/. This will ensure you will receive prompt and efficient service if your product requires attention within the warranty period. If you do not register your product, you will be required to produce proof of purchase prior to receiving service.

For more details please visit our website: SmithsEP.co.uk

SCAN HERE TO REGISTER YOUR PRODUCT

Disposal

As part of the policy of continuous product improvement, Smith's Environmental Products LTD reserves the right to alter specification without prior notice.

Products with this symbol (crossed out wheelie bin) cannot be disposed as household waste. Old electrical and electronic equipment must be recycled at a facility capable of handling these products and their waste by-products. If you are purchasing replacement equipment your retailer may offer a 'take back' scheme, or will be able to give details of the nearest approved authorised treatment facility. Proper recycling and waste disposal will help conserve resources whilst preventing detrimental effects on our health and the environment.

WEEE Registered Code: WEE/ED0093VW

Approved CQS ISO 9001:2015

ISO 14001

After sales and spares

If you experience any problems with the use of your product, please contact our after-sales office +44 (0) 1245 324560.

For product information, customer services or sales support call us on +44 (0) 1245 324900

For the Republic of Ireland, contact MT Agencies on 01 864 3363

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General information: info@SmithsEP.co.uk

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Happy to help
Smith's Environmental Products Ltd is one of the leading manufacturers of heating and cooling products in the UK. We are committed to achieving the highest standards and our faith is supported by a free parts and labour guarantee with every product (see our website for more information). Our customer service is second to none and we are happy to offer any help and guidance that you might need.

Stockists
All products are available nationally from Builders' Merchants, Plumbers' Merchants, Heating Equipment Distributors and Kitchen Equipment Distributors. In the event of difficulty, please contact us or visit our website SmithsEP.co.uk for details of your nearest stockist.

Information and advice
Full technical specifications and list prices is available to download from our website or in hard copy from our office. Also available on our website are price lists, individual product data sheets, installation & user guides, where to buy, who to contact and a media centre.

Alternatively contact our office 9.00am to 5.00pm Monday to Friday.

As part our commitment to continuous improvement Smith's Environmental Products may change the specifications of its products without prior notification or public announcement. All descriptions, illustrations, drawings and specifications in this publication present only general particulars and shall not form part of any contract. All dimensions are in mm unless otherwise stated. Please visit the website for the most up to date information.

To view the full product information download the datasheet at: www.SmithsEP.co.uk

For product information, customer services or sales support call us on **+44 (0) 1245 324900**

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