HHPS01 Controller

Installation and control
user manual
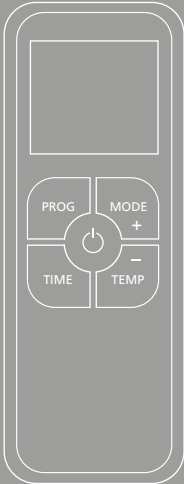
HHPS01
WIRELESS CONTROLLER

Contents

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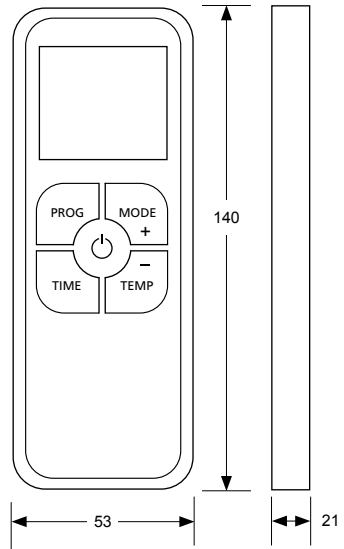
The Restriction of use of Certain Hazardous Substances. SI. 2012 No. 3032

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 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.
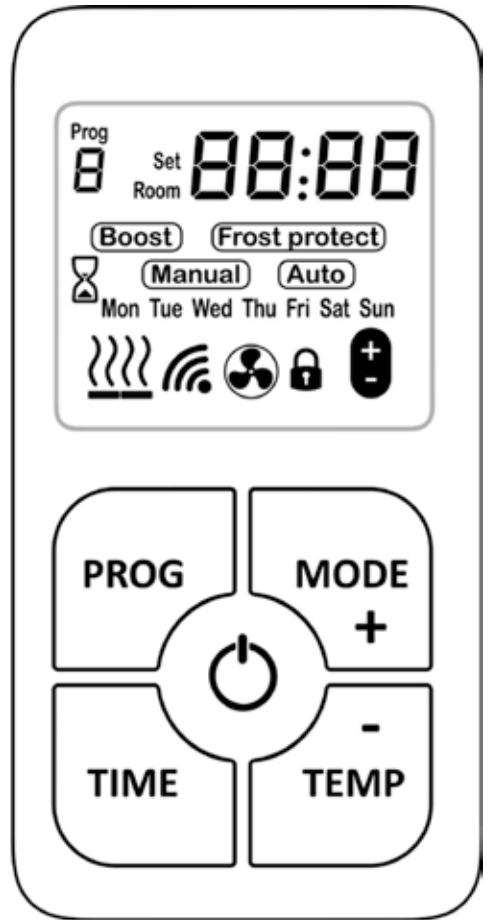
Boost mode

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 HHPS01 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.

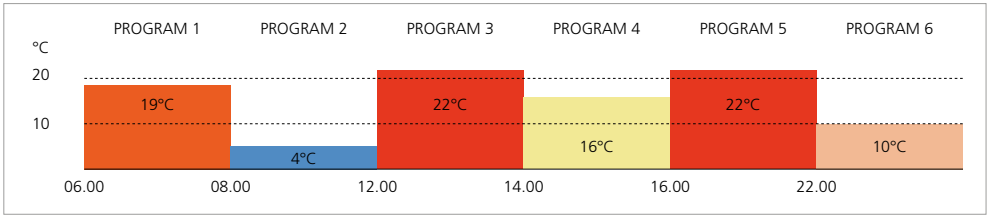**Step 2:** Press the TIME button. The hours will flash. Use the + and - buttons to adjust the hours.

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.
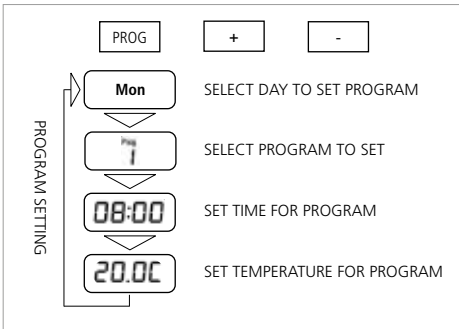
Setting the automatic program schedule

An example of one day program on HHPS01

	PROGRAM 1	PROGRAM 2	PROGRAM 3	PROGRAM 4	PROGRAM 5	PROGRAM 6

°C
20
10

19°C   4°C   22°C   16°C   22°C   10°C

06.00   08.00   12.00   14.00   16.00   22.00

Logic diagram for setting program on HHPS01

| PROG | + | - |

PROGRAM SETTING

Mon — SELECT DAY TO SET PROGRAM

Prog 1 — SELECT PROGRAM TO SET

08:00 — SET TIME FOR PROGRAM

20.0C — SET TEMPERATURE FOR PROGRAM

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.
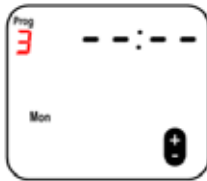
Automatic program overview

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.
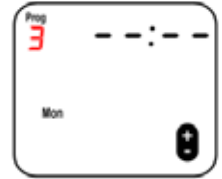
Copy day function

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.
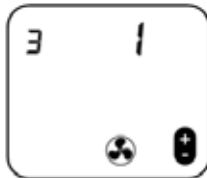
5. Use PROG to exit the setup menu

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
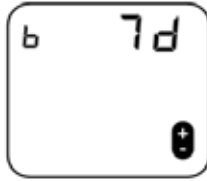
9 - Closed window detection time

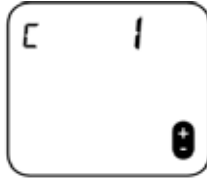**A - Temperature rise in closed window detection time**

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

C - Select operating mode:
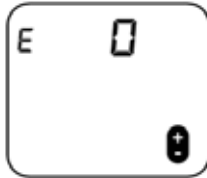1 = temperature control
2 = manual control

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.

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
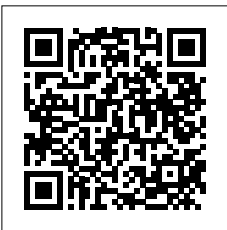
Disposal

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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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.

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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