

ATC ALMERIA ECO DIGITAL PANEL HEATER INSTALLATION AND OPERATION MANUAL

DPH500-Eco	500w Digital Panel Heater
DPH750-Eco	750w Digital Panel Heater
DPH1000-Eco	1000w Digital Panel Heater
DPH1500-Eco	1500w Digital Panel Heater
DPH2000-Eco	2000w Digital Panel Heater



EcoDesign
Compliant



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IMPORTANT SAFETY INSTRUCTIONS

These instructions should be carefully read before installation and retained by the user. The booklet must be kept and delivered to the new user in case of disposal of the heater. The Manufacturer reserves the right to vary the features of the product without prior notice. The technical data are indicative only.

1. This heater is intended solely for the use it has been designed for, namely space heating. The Manufacturer or Distributor is not responsible for any damage that could happen due to improper use.
2. After unpacking make sure that the heater is complete and shows no signs of tampering or any visible damage
3. Keep packing materials, which are potentially dangerous, away from children.
4. The heater can be used by children of at least 8 years (as well as by persons with reduced physical, sensory or mental capabilities, or lack of experience or required knowledge) provided that they are under supervision, or after they have been instructed relating to the safe use and have understood the potential dangers.
5. Children should not play with the Heater.
6. Cleaning and maintenance must be performed by the user and not by unsupervised children.
7. Children of less than 3 years should be kept away unless continuously supervised.
8. Children aged from 3 years and less than 8 years shall only switch on/off the heater provided that it has been placed or installed in its intended normal operating position and they have been given instruction concerning use of the heater in a safe way and understand the hazards involved, children should always be supervised.
9. Children aged from 3 years and less than 8 years shall not plug-in, regulate, clean the heater or perform maintenance.
10. Before connecting the heater make sure that the voltage is the same as indicated on the device rating label.
11. Do not use in presence of gas, inflammable or explosive liquids or substances as defined in BS5345.



12. Some fundamental rules which apply to all electrical devices must be observed when using the heater:

- Do not touch the heater with wet hands.
- Do not handle the heater when you have bare feet.
- Do not let children play with the heater.

13. Avoid the use of extension cords with this product, extension cords may overheat and there could be a risk of fire.
14. Do not make any modification to the Heater.
15. Keep connections dry.
16. If the power supply cord is damaged, do not use the heater until the cord has been replaced. For power cord replacement, always contact an electrician in order to avoid any risk of injury.

17. If the heater is not going to be used for a long period, disconnect it from the power supply.
18. Always disconnect the heater before doing any maintenance.
19. **CAUTION - Some parts of this product can become very hot and cause burns. Particular attention has to be given where children and vulnerable people are present.**

ELECTRICAL INSTALLATION NOTES

The installation should always be carried out by a qualified electrician or a competent person in accordance with the current electrical standards: HD 384 CENELEC for Mainland Europe, IEC 60446 and BS 7671 for the United Kingdom, IEC 60445(2010) & ET101:2008 for Ireland and IEC 60364-7-708 1988 internationally.

The energy supply to the heater must always be properly earthed. The heater must be connected to the energy supply using the provided cable.

An over voltage category III Combined Circuit breaker and Residual Current Device (RCD) with rated earth leakage operation not exceeding 30mA must be fitted upstream on the supply line. The circuit breaker must have a contact opening distance of at least 3 mm.

- The heaters should always be installed only using the mounting brackets provided or optional castors if purchased separately.
- Under no circumstances turn the heater on if it is not mounted using the brackets supplied, the original castors accessory or if the face of the heater is flat on any surface.
- The heater must not be recessed in the ceiling. There must be enough space around the top of the heater to ensure adequate ventilation.
- A minimum air gap of at least **100 cm** should always be allowed between the top of the heater and a ceiling or roof.
- The heater should be at least **60 cm** away from any surrounding walls.
- A distance of at least **100 cm** should always be left in front of the heaters to ensure safety
- The Heater should be mounted at a minimum of **15cm** to the bottom of the heater above floor level.
- The Heater must not be located either directly below, or in front of a socket-outlet.
- The Heater must be installed so as to prevent any control switches being able to be touched by anyone who is in the shower or bath.
- Make sure that there is no possibility of inflammable material, combustible material or curtains coming into contact with the heater, there is a risk of fire if this happens.

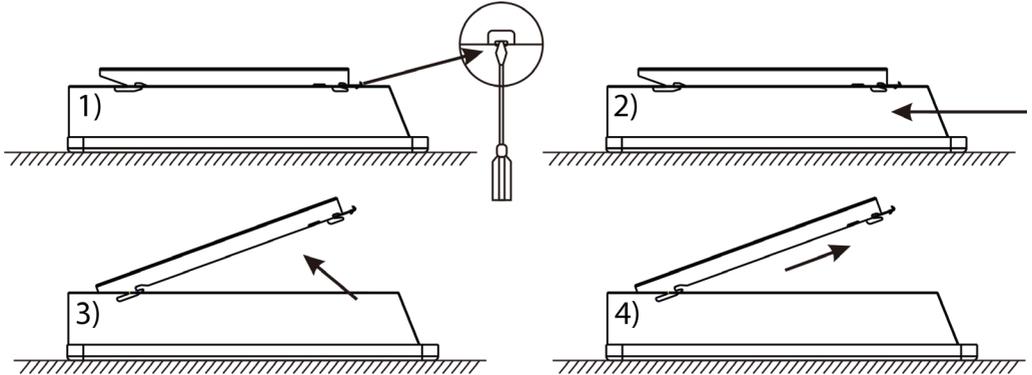


DO NOT COVER THE HEATER.

NOTE: The installer should review the contents of this manual with the owner on completion of the installation.

WALL MOUNTING INSTRUCTIONS

Remove the heater from the packaging and then remove the wall bracket from the back of the heater by laying the heater face down and opening the lock with a flat screwdriver.

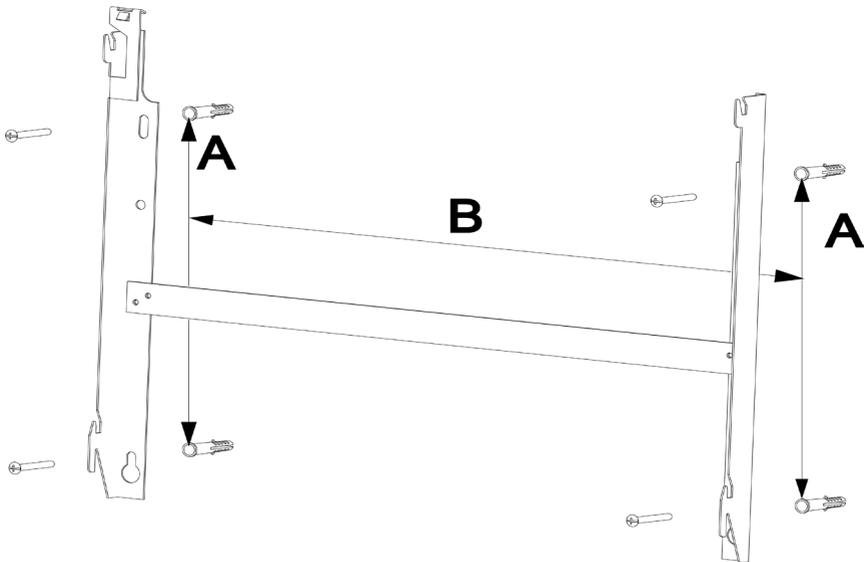


1) Lift the locking tab with the screwdriver,

2) Push the bracket toward the base of the heater.

3) Lift the Top of the bracket away from the heater

4) Remove the bracket.



Kw	0.5/.75/1.0	1.5	2.0
A	218		
B	130	292	402

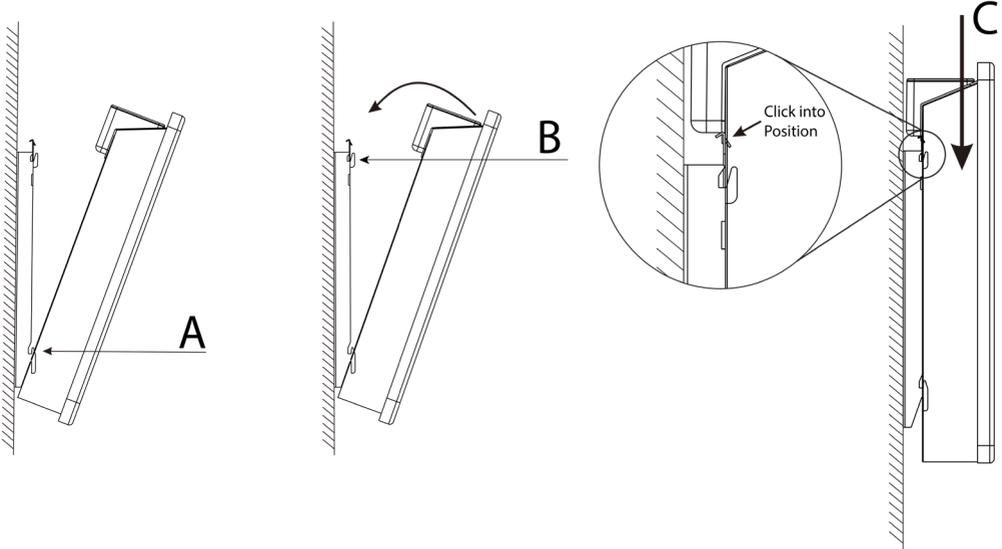


Note: Prior to drilling the wall, ensure there are no cables or pipes within the wall.

After mounting the wall bracket ensure that the mounting screws are fixed firmly to guarantee that the heater is safely mounted to the wall.

Mark the wall according to the dimensions given on the previous page for the correct heater of your size. Drill the wall and insert the plastic wall anchors into the holes.

Mount the wall bracket using the screws provided ensuring that the screws are securely holding the bracket to the wall and there is no movement in the bracket.



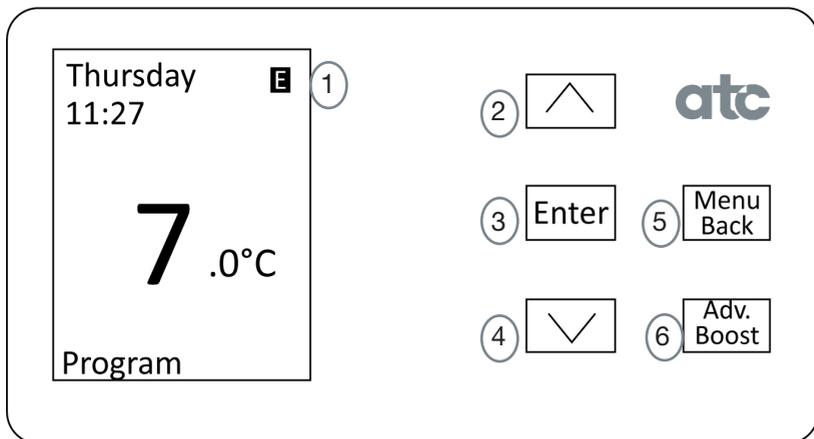
To mount the heater onto the wall, tilt the heater so the bottom holes in the rear of the heater are aimed at the lower mounting hook and attach the heater on to the bracket (A).

Rotate the heater towards the wall until the upper hooks enter the upper mounting holes (B)

Push the heater down on the brackets (C) until a click is heard and the latch is in place.

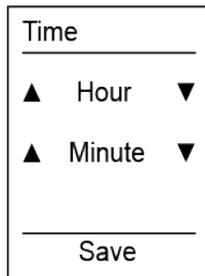
FIRST USE AND SETUP

The Almeria Eco digital panel is equipped with a TFT LCD screen and 5 touch sensitive buttons to allow easy programming.

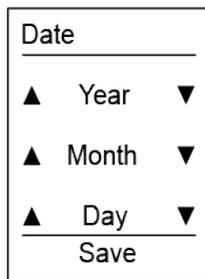


- 1: Screen
- 2: Up Arrow
- 3 Enter Key
- 4: Down Arrow
- 5: Menu & Back Key
- 6: Advance & Boost key

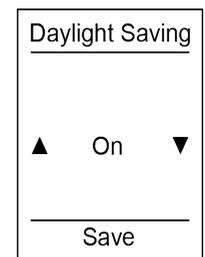
Start Up: The first time the heater is turned on it will ask for the date, the current time and if you want to activate the Daylight Savings function. To input information into the heater use the ▲ and ▼ arrows to select the correct area on the screen that you would like to change and once the area is highlighted touch the enter key. This will allow you to change the data, once the correct information is showing touch enter to save.



Daylight Savings (DST Mode): The daylight savings feature will automatically adjust the time of your heater each year on the last Sunday in March and October. The user will be asked to check if they want this feature on or off when the heater is first turned on. It can also be changed from the time menu. When Daylight Savings is active there is an S (S) shown on the Screen beside the weekday.



Manual Mode: On first start up after the date and time are set the heater will default into manual mode. The screen will show the current set temperature and manual at the bottom of the screen. The temperature can be adjusted directly with the ▲ and ▼ keys.



SETTINGS, STANDBY AND BOOST

Settings Menu
Standby ▲
Manual Mode
Program Mode
Clock settings
Comfort Temp
Economy Temp
Open Window ▼

Settings Menu

The Almeria Eco has been designed with an easy to ready English language menu system to allow the user to quickly understand the features of the heater and navigate around the menus.

To access the settings menu on the heater touch the Menu/Back key and use the ▲ & ▼ keys to select the menu item needed and touch Enter.

To exit the menu touch the Menu/Back key again to return to the previous operation screen

Menu
Back

Standby Mode

The Almeria Eco heater features a standby mode which will set the heater in a low power usage mode and stop all heating. To enable standby select it from the settings menu and touch enter. Once standby is activated the heater will immediately cancel any heating programs and turn the screen off.

Boost modes

There are 3 boost modes in the Almeria Eco heater; these correspond to the 3 operating modes, Standby, Manual and Program.

In both Standby and Manual mode you can boost the heater to the comfort setting for a period of 1 or 2 hours.

To activate the boost, touch the Advance/Boost key. The heater will boost to comfort temperature for a period of 1 hour and the screen will show “**Boost 1h**”, if you touch the key again it will boost for 2 hours showing “**Boost 2h**”.

Adv.
Boost

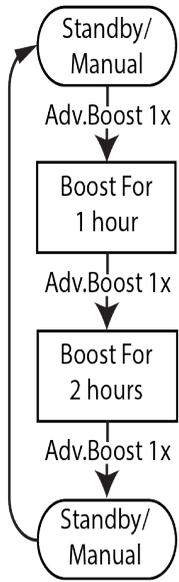
If you touch Adv. Boost a third time then the feature will deactivate and the heater will return to the previous mode of operation. If the heater was in standby, it will return to stand by with the elements turned off.

Advance Boost

When running in program mode, touching the Advance/Boost key will activate the next programmed heating period and show “Advance” on the screen, a 2nd touch activates 1hour boost, 3 times activates 2-hour boost and 4 times returns the heater back to program mode.

In all boost modes the temperature can be directly adjusted with the ▲ and ▼ keys.

Wednesday
14:26
Advance
21.5°C
Program 



Note: Program advance can be used to turn the heater on or off depending on the current operation of the heater.

SETTING THE RUNNING TEMPERATURES

Temperature Set-points:

Comfort Setting

▲

21.5°C

▼

Save

There are two adjustable temperature settings that can be individually set. These set points are used for the “on” and “off” settings for the heater.

The Comfort setting is used for the room temperature that you want to maintain when the heater is **on**.

The Economy setting is for when the heater is **off**.

Eco Setting

▲

7.5°C

▼

Save

The Factory Default Setting for Comfort is 21°C and for Economy is 7°C, both of these settings are reset to the factory default when you reset the heater.

To indicate which temperature setting is active when the heater is in program run mode there is either a C (**C**) or an E (**E**) shown beside the Weekday .

Heating Indicator:



In any of the operation modes the Almeria Eco heater will display the indicator shown on the left on the bottom of the display to indicate that the elements are turned on.

PROGRAM MENU

Program Menu

Set Program

Copy Program

View Program

Program Run

The Almeria Eco heater is equipped with a 24 hour 7 day time-clock with 4 time periods per day. Each time period can be programmed with an hour and minute time setting.

Each entered setting is for comfort temperature, time periods outside of the set times are maintained at the economy setting.

The Program menu has 4 settings, Set Program, Copy Program, View Program and Program Run.

Wednesday **SE**

14:26

21.5°C

Program

To enter a program into the Almeria Eco heater bring up the settings menu from any of the operation screens, select Program menu and touch enter.

Program Day ?

▲

Wednesday

▼

When in the Program menu select Set Program and touch enter.

The Almeria Eco heater will ask the user to select the day that they want to program, use the ▲ & ▼ arrows to select the day and touch enter, this will bring up the blank programming screen.

Wednesday	
On	Off
--:--	--:--
--:--	--:--
--:--	--:--
--:--	--:--

Each “- -” section can be individually selected and set. Select the first - -, touch enter and use the ▲ & ▼ to set an hour and touch enter to save, move to the minutes and set your required time.

When you move to the off time and select Enter, the heater will default to the following minute after the previous on time. E.g. If you had entered 07:00, the off time automatically changes to 07:01; it is not possible to set an off time prior to the current start time.

Wednesday	
On	Off
07:00	08:00
09:14	12:27
15:00	17:00
19:00	23:50

The user can set up to 4 on and off times per day; if a lesser number of periods is required then the user can skip the remaining “- -” and select Save at the bottom of the screen. The minimum number of periods required to set a program is one on period and one off period.

In order to run a program that you have saved return to the program menu and highlight the “Program Run” option and touch Enter to select. The heater will return to the main program run screen and show the current set point, program and if the Almeria Eco is heating or not

Copy Day ?
▲
Wednesday
▼

Copying a Program

Once you have a program stored on a particular day, that program can be copied from that day to any other day or group of days by selecting “Copy Program” from the Program menu and choosing the day that has the saved program and touching enter.

Once you have selected the day you want to copy from, the screen will change to show the days that you can copy to. Select the individual day or a

number of days to copy the program to.

In the figure to the right the program shown above is copied to Monday, Tuesday and Friday. To save the copied days select Copy at the bottom of the screen and touch Enter to save.

Wednesday
<input type="radio"/> Monday
<input type="radio"/> Tuesday
<input type="radio"/> Thursday
<input type="radio"/> Friday
<input type="radio"/> Saturday
<input type="radio"/> Sunday
Copy

View Program

The View Program menu is very similar to entering a program however it only allows you to see what you have entered; it doesn't allow any changes to be made the program itself.

To see your saved program, select View Program from the program menu, touch enter and then select the day you wish to review and touch enter.

The currently saved program will then be shown on the screen
To exit the review, touch Menu/Back until you return to the operation screen.

Program Day ?
▲
Wednesday
▼

KEY LOCK

Wednesday
14:26



LOCKED

The Almeria Eco heater has a built in lock screen to prevent any accidental changes to the heater.

The Key-lock is activated by holding the ▲ & ▼ keys down for 5 seconds. When the heater is locked the Key-lock screen with a padlock shows whenever a key is touched.

The heater is unlocked in the same way by holding the ▲ & ▼ keys down for 5 seconds

OPEN WINDOW DETECTION

Wednesday
14:26

21.5°C

Program



The Almeria Eco Heater has an open window feature to conserve energy if there is a sudden temperature drop caused by opening a window in the room and the heating is on. The open window feature can be turned on or off in the settings menu.

If the heater detects a drop of 4 degrees in a short period of time, it will turn off the heating elements and display an icon of an open window in the bottom of the screen. (See right for example)

The heating can be brought back on by touching the enter button after the open window function has activated. If the open window function has activated and the heater has been running in program mode, when the next programmed heating time period begins the open window mode will be reset.

SOUND

The Almeria Eco panel heater will beep each time a key is touched.

Enter

&

Adv.
Boost

To turn to turn this sound off touch Enter and Adv. Boost at the same time.

Each time the buttons are touched together will turn the sound on or off.

FACTORY RESET

Occasionally it may be necessary to reset the Almeria Eco heater, for example if you want to clear out the program completely and start from the beginning.

To complete this process touch the Menu/Back button, select factory reset from the menu and touch enter. The Factory reset screen will appear (Shown right). As this process completely removes any user information you will be asked to confirm the reset and then confirm a second time.

Once you press Enter a second time the heater will remove all user data and return to the initial time, date and DST menu. **Please note, this process cannot be undone.**

Factory Reset

Are you sure?
This cannot be
undone.
All settings will
be lost

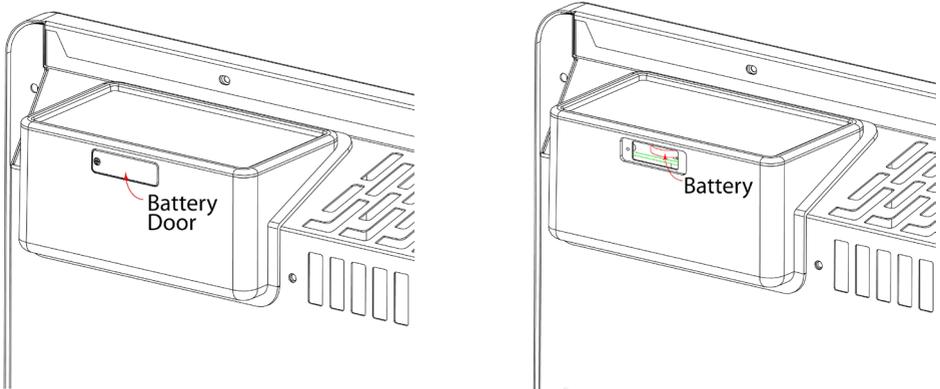
OK

BATTERY REPLACEMENT

The Almeria Eco panel heaters have a replaceable battery to store the program and time when the heater is powered off.

Over time and with use the battery will discharge and eventually require replacement. To replace the battery, the heater should be powered off and then removed from the wall.

On the back of the control box is a battery door (See below), remove the door with a small screwdriver and the coin cell battery is able to be removed. Slide the battery out of the heater and replace with a new Lithium CR2032 coin cell. Replace the Battery door and Reinstall the heater on the wall.



Please note: Removing the battery when the low battery symbol shows and replacing it within 3 minutes of removal will keep the time and program, after 3 minutes the time date and program will be lost.

MAINTENANCE

The Almeria Eco Electric Panel heaters contain no user serviceable parts and therefore require very little maintenance. Ensure that there is no excessive build-up of dust/dirt on the heater element as this can cause overheating and premature element failure.

IMPORTANT

Failure to keep the Almeria Eco heater clean may result in dust becoming burnt and depositing on the wall above the heater in the form of dark streaks or patches. This type of marking is expressly due to failure to keep the heater and surrounding area clean. ATC take no responsibility for any such damage caused

To clean the outside of the appliance, wipe off dirt with a damp cloth.

Do not use any aggressive cleaning agents. Do not immerse the heater in water or any other liquids.

ATC Almeria Eco

Landlord Mode Instructions (Runback)

The DPH Eco Heater comes with a runback mode for use when the heater will be installed in areas where restricted end user control is required.

Runback Mode allows the user to set up the heater with limited controls to conserve energy.

The heater will only work using the parameters set on installation, working in a similar fashion to a boost function.

Once set up the Almeria Eco Heater can then be code locked and only a person with access to the code can edit the settings. This is an ideal setting for Landlords who wish to guarantee efficient use of the heaters.

When Runback mode is active it allows the end user to set the radiator to run for a specific preset amount of time and temperature.

It is also possible to set a maximum temperature (Max Temp) above the Runback setting to allow the end user to increase the temperature within the limits allowed; or to setup a lower temperature (Setback) to prevent the room falling below a certain limit.

Runback mode is activated by touching and holding the Enter and Menu/Back keys together until the screen asks for a code.

(The end user will have no access to the runback settings without the code.)

ENTERING RUNBACK MODE SETTINGS

Runback Lock
Enter Code : ----
OK

Input 0000 and touch Enter to access the menu.

The first time entering runback mode it is strongly recommended that an alternative code to the manufacturer default of 0000 be saved.

To change the password, select change code from the menu, input the current password and touch enter. Select a new desired code and touch enter again. Finally enter the new code a second time as confirmation. If the two codes entered are different, the heater will reject the change and revert to the previous code.



Warning

Please Note: It is not possible to reset the heater if you forget your password.

MAIN MENU SCREEN

On entering the correct password, the main screen with all the options for the Runback operation is shown:

Runback Lock
Change Code
Max Duration
Max Temp
Runback Temp
Runback Enable
Setback Temp
Setback Enable

Change code = Allows the access code to be customised.
(see above)

Max Duration = Setting the time that the heater runs for when in Runback heating mode.

Max Temp = Maximum room temperature that the end user will be able set.

Runback temp = Temperature that the heater starts at when the end user activates the Runback heat mode.

Runback enable= Menu to turn runback mode on or off.

Setback temp = Lower temperature that the heater will maintain when it is “off” i.e. when it is not in the Runback heat mode.

Setback enable = Setback mode on or off.

MAX DURATION MENU

Max Duration
▲
30
▼

The runback mode allows a maximum operating time of 480 minutes (8 hours), set in the following increments:
 0→30→60→90→120→240→360→480→0

This setting determines how long the heater will run for when the user starts the heating cycle.

To set the Max Duration, use the ▲ and ▼ keys to select the time and then touch enter/back to save the setting required.

When the heating is set, the user can choose any time setting up to the limit set in this menu, subsequent activation of the heating will start at the same time as set previously.

E.G.: Max Duration is set to 120min, heating requested for 90mins, the next time the heating is requested it will start at 90 min.

TEMPERATURE SET POINTS

Max Temp
▲
24.0°C
▼
Save

There are three temperature settings that can be set in Runback mode. They have been designed to allow various different operation situations.

These temperature settings can be broadly characterized by “on”, “off” and “adjustment” settings.

ON = Runback temp, this is the set point used to choose the temperature the heater comes on each time it is activated.

Runback Temp
▲
21.0°C
▼
Save

OFF = Setback temp, this set point will be used to set a temperature for when the heating is not required by the user, it will prevent the temperature falling below the value set. It is used to maintain the “off setting”.

Setback can be turned off, in this case, when the heater is not activated the temperature will fall to the minimum allowed by the heater (5°C).

Setback Temp
▲
16.0°C
▼
Save

ADJUSTMENT = Max Temp, this setting allows a higher set point than runback to be set allowing the end user to change the temperature above the “ON” value. This gives the user a limited degree of control. Max temp also allows the heat to be limited to the same value as runback. When Max temp is set to the same value as Runback, the user will only be able to adjust the temperature down from the “ON” value.

To adjust any of the set points, enter the appropriate menu and select the desired temperature with the ▲ and ▼ keys, once the required temperature is shown, touch enter to exit and save the value.

ACTIVATING RUNBACK MODE

Runback
▲
Enable
▼

In order to activate the Runback mode, enter the “Runback Enable” menu, select Enable and touch Enter. Setback - if required- is also activated in the same way.

To exit runback mode and enable ordinary heater operation, select disable in the Runback Enable menu.

NOTE: In order for Runback mode to engage

Setback
▲
Enable
▼

correctly, you must touch “Menu/Back” until see either the Runback or Setback Operation screens are shown. [P in upper right corner]

USING THE HEATER IN RUNBACK MODE

Runback	P
120 minutes	
21.0°C	
⏏	

When the heater is in operation mode it will show a “P” in the upper right corner of the screen, to activate the heating touch “Enter” to choose a time setting that the heater should be active for.

Depending on the settings chosen during set up the temperature can be adjusted up or down with the ▲ and ▼ keys.

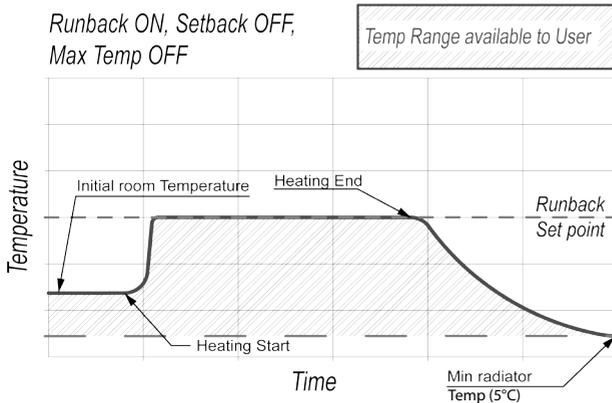
Setback	P
0 minutes	
16.0°C	

Once the heater is functioning in the Runback mode, the menu can be accessed with the “Menu/Back” key and then entering the correct code.

NOTE: The “Adv/Boost” key has no function and does not operate in Runback Mode.

Operation Scenarios: Below shows typical scenarios for each of the settings.

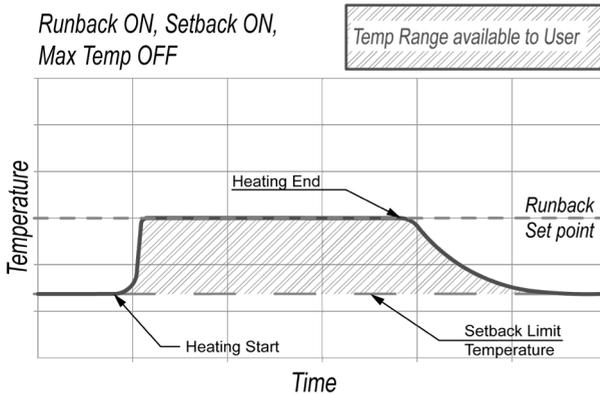
Runback ON, Setback OFF,
 Max Temp OFF



When Setback and Max temp are both OFF, the user has a choice between the minimum radiator temperature of 5°C and the Runback temp setting, the heater will come on at the Runback setting.

Once the Runback time period has expired the temperature will fall as low as 5°C if the radiator is not re-activated.

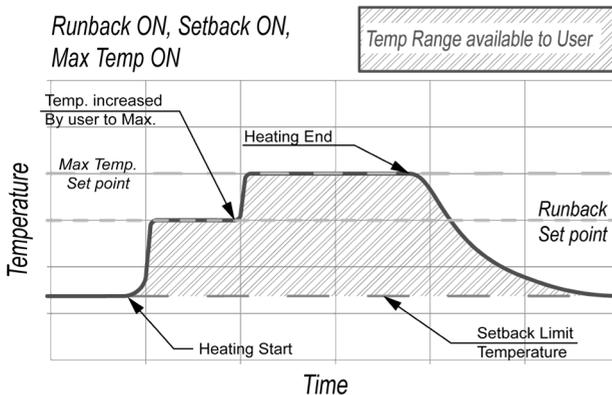
Runback ON, Setback ON,
 Max Temp OFF



When Runback and Setback are both set to enable, then the user has a limited choice of temperature between the Setback setting and the Runback setting.

Outside of the Runback period the temperature will fall to the Setback temperature if the radiator is not re-activated. Typically this is used for building fabric protection when the building is unoccupied for long periods.

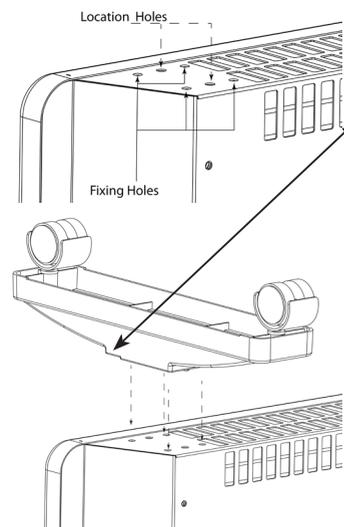
Runback ON, Setback ON,
 Max Temp ON



When all 3 settings are activated then the user has a choice between setback as a minimum and the Max temp setting as a maximum, the heater will always come on at the Runback set point.

In the example to the Left the user has activated runback and then increased the temperature to the Max Temp set point after a time.

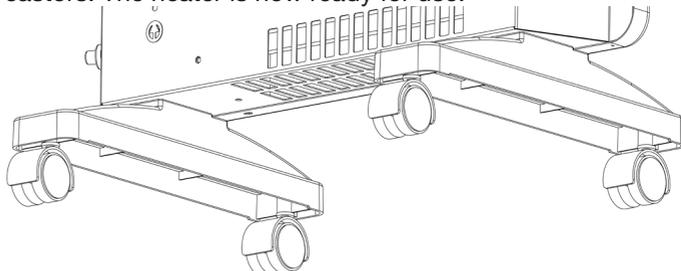
OPTIONAL CASTER INSTALLATION INSTRUCTIONS



There are optional castors available for the Almeria Eco. To mount the castors onto the heater align the location holes on the bottom of the heater with the 2 bumps on the castors and the recess for the front cover of the heater with the front edge of the castors.

Once the castors are correctly aligned, insert and tighten the 4 screws into each castor.

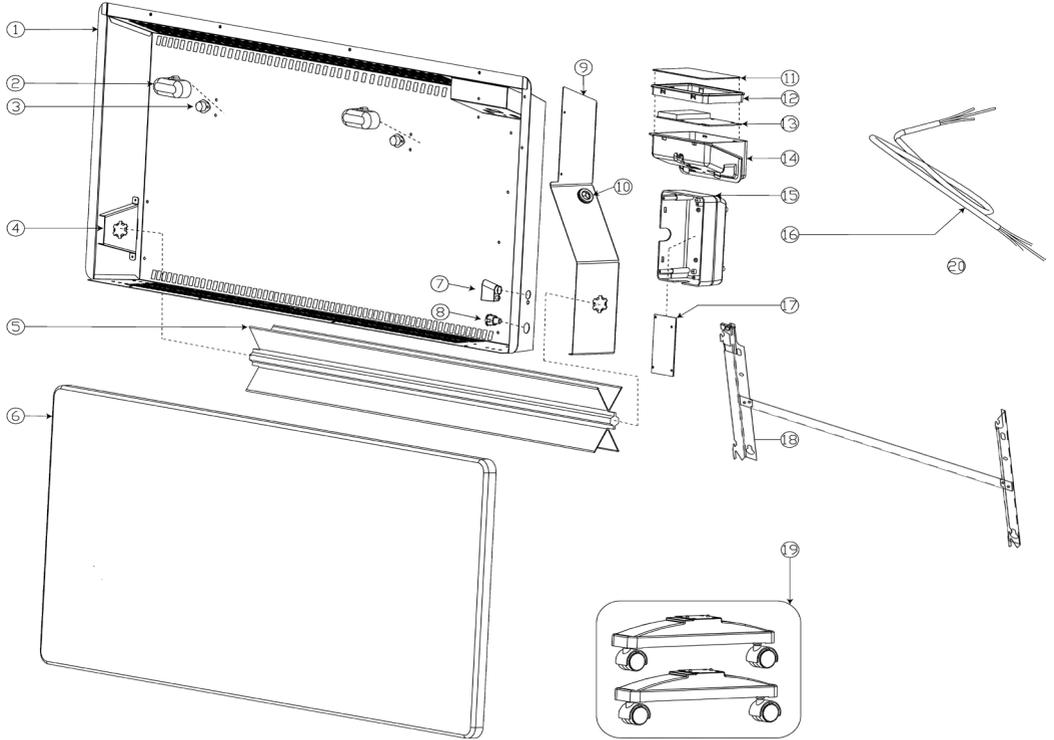
Once the screws are tightened, stand the heater on the castors. The heater is now ready for use.



TECHNICAL SPECIFICATIONS

Product Code		DPH500-ECO	DPH750-ECO	DPH1000-ECO	DPH1500-ECO	DPH2000-ECO
Power (W)	Watts	500	750	1000	1500	2000
Voltage (V)	Volts	220-240	220-240	220-240	220-240	220-240
Frequency (Hz)	Hertz	50	50	50	50	50
Thermostat	Electronically Adjustable between 5° and 30°C					
Safety Cut-Out Temperature	(°C)	120°C	120°C	120°C	110°C	120°C
Weight	(kg)	4.3	4.3	4.5	5.5	6.5
Dimensions (mm)	Width	440	440	520	680	840
	Depth	105				
	Height	440				
	Depth with Bracket	110				
IP Protection	IP	24				
Colour	White					
Approvals	CE, Intertek Gs, RoHS, ErP UKCA					
Eco-Design Lot 20 Compliant	Yes					
EAN Barcode	0793591589114	0793591589138	0793591589152	0793591589176	0793591589190	

COMPONENT DIAGRAM



1	Back Casing	8	Temp Sensor & Cover	15	Power Control box
2	Hi Level Cut-out Cover (x2)	9	Temperature Segregation Panel	16	Connection cable
3	Hi Level Cut-Out (x2)	10	Cable gland	17	Power PCB
4	Left Element mount	11	Screen Cover	18	Wall mounting bracket
5	IP65 Element	12	IP24 Control Cover	19	Optional Casters, Part number: DPH-ECO-CASTORS
6	Front Cover	13	Main PCB		
7	Cable Lock	14	IP24 Control Box lower		

WARRANTY

Your appliance is guaranteed for 2 years from the date of purchase – during this period we will repair or exchange, at our discretion, any faulty or defective parts providing the appliance has been used and maintained in accordance with the operating & installation instructions and has not been misused or mistreated in any way.

The original warranty will continue to apply to any products replaced under the warranty, the new product will not come with a new warranty period.

Any unauthorized repair or attempted repair will invalidate the guarantee. You may be asked to return the product to our workshop for inspection to establish whether the fault is covered under the guarantee.

Carriage to and from the workshop is not covered under the guarantee. Any damage caused by transit must be claimed from the transport supplier. Transport damage is not covered by this guarantee

The guarantee is valid in the UK and Ireland only. This guarantee is additional to your statutory rights. In the unlikely event of a problem with your appliance please contact your supplier.

END OF LIFE INFORMATION



This marking shown on the product and its literature, indicates that it should not be disposed of with other household wastes at the end of its working life. (Crossed Wheelie Bin)

To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this appliance from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes

Waste Electrical & Electronic Equipment (WEEE)

Applicable in the European Union and other European countries with separate collection systems

ECO DESIGN INFORMATION

Models	DPH500-ECO	DPH750-ECO	DPH1000-ECO	DPH1500-ECO	DPH2000-ECO
Heat Output					
Nominal heat output (P_{nom})	0.5kW	0.75kW	1.0kW	1.5kW	2.0kW
Minimum heat output (indicative)	0.5kW	0.75kW	1.0kW	1.5kW	2.0kW
Maximum continuous heat output ($P_{max,c}$)	0.5kW	0.75kW	1.0kW	1.5kW	2.0kW
Auxiliary electricity consumption					
At nominal heat output (el_{max})	N/A kW				
At minimum heat output (el_{min})	N/A kW				
In standby mode (el_{sb})	0.05kW				
Type of heat output/room temperature control:	Electronic room temperature control plus week timer				
Other control options:	Room temperature control, with open window detection				
ATC Electrical and Mechanical ATC House, Broomhill Drive, Tallaght, D24 EF99, Ireland.			UK Tel: +44 (0)203 5649164 Tel: +353 (0)1 462 5111 Fax: +353 (0)1 452 0887 Email: sales@atc.ie		

