



*Advanced Home Heating*

## The “Plug & Heat” Central Heating System.

Simple to use; just plug the heaters into existing sockets<sup>1</sup> anywhere in the home<sup>2</sup> and time control them from any one heater that you choose to put the time programmer (Chronopass) into<sup>3</sup>. It automatically uses existing wiring to send a control signal your other Atlantic **Plug & Heat** heaters.

You only have to fix the heaters to the wall and plug them in, an electrician is not required.



*Please read this leaflet carefully  
to get the best out of your heating system.*

## *Introduction*

You can choose to control up to 15 Atlantic **Plug & Heat** heaters in one zone, using one Chronopass, or to divide them into different zones with a programmer in each. Our recommendation for domestic use, for example, is to make day rooms one zone and bedrooms another, with a Chronopass in each. This saves heating energy and running costs by switching the heaters to more closely match the hours of active use of the rooms. (How to set up the zones is described later in this leaflet.)

Extremely accurate (better than  $\pm 0.1^{\circ}\text{C}$ ) digital electronic thermostats on every heater, giving temperature control room by room that also takes advantage of heat from people, sunshine and appliances.

The heaters have digital electronic thermostats with two temperature ranges, Comfort for occupied rooms, and Eco for when they are not being used and bedrooms during the usual hours of sleep. There is a dial for each at the rear top right hand side of the heater. A protective hinged flap puts them out of sight in normal use. The timed switching of the heaters between Comfort and Eco ranges is controlled by the Chronopass Programmer.

The **Plug & Heat** range has three heaters, of 1.0kW, 1.5kW and 2.0kW ratings, and the Chronopass time programmer.

## *Where to install the heater*

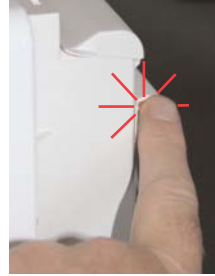
The heaters are designed for home and office installation. Please ask your distributor before using it for any other purpose.

- Installation must comply with the UK IEE Wiring Regulations.
- Position heaters according to the minimum clearance distances: 50cms in front, 15cms above, 12cms below and 15cms each side. Avoid putting them behind doors and furniture.
- If the wall is foam covered, a spacer the same thickness as the foam must be placed behind the support bracket to maintain free space behind the heater.
- Do not install the heater(s) in a draught likely to affect the thermostat(s).
- Place single heaters on a wall close to the main area of room use. Place multiple heaters widely apart; on opposite walls will give better comfort.
- Avoid fitting heaters under windows. They must not be covered by curtains.

## Setting the heaters into zones




Choose which heaters you wish to include in one zone. (Not necessary for single heaters.) Typically two zones are used, day rooms and bedrooms, but this is a matter of choice.

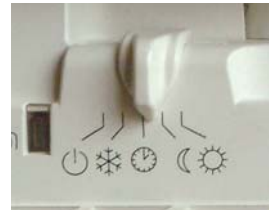
1. With power to all heaters switched ON, but before fitting the Chronopass, on any one of the heaters press the translucent tab on its housing briefly (See picture). Its indicator light will start flashing slowly. Press the same tab again briefly and the light will start flashing quickly.
2. On each of the other heaters in the same zone repeat steps 1 and 2.
3. On the first heater and press the tab again once. The indicator lights on all of the heaters will stop flashing and the zone has been created.
4. Repeat steps 1 to 4 for any other zone(s)



If you decide to change the zone, simply repeat the above procedure with the heaters that you wish to include.

## Recommendations for use

- ▷ There is no point in setting the unit to its maximum, the room temperature will not rise any faster.
- ▷ Switch the unit off by putting slider to .
- ▷ Remember to lower the temperature if you go out for several hours.
- ▷ If you go out for **less than 2 hours** - do not touch the controls; **from 2 hours to 24 hours** - set the slider to ; **for more than 2 hours or during the summer** - put the unit in Frost Free mode .
- ▷ If you have several units in the room, let them all operate at the same time, this will give a more uniform temperature without increasing electricity consumption.



## Temperature Control

On the top right hand side of heaters in living rooms and bedrooms are two dials and a slider discreetly covered under a protective flap.



The dial on the right hand side, ☀ **Comfort**, allows you to set the temperature for when the room is occupied. Between 4 and 5 is equivalent to about 21°C, the recommended setting for living rooms. A lower setting, below 4, is advised for bedrooms and hallways.

The Left hand dial, ☾ **Eco**, sets the temperature for when the room is unoccupied. The lowest setting, 2 is recommended, which is about 10°C.

The slider on the left of the Eco dial allows you to set the heater:

- ☀ **Comfort**      Constantly on Comfort - *use only when necessary.*
- ☾ **Eco**      Constantly on Eco, for when the room won't be used for some time.
- 🕒 **Time Control**      (*See later section.*)
- ❄ **Frost Protection**      About 7°C. Choose this for when you are leaving the house empty for more than a day or two, or for individual rooms that are infrequently used.
- 🔌 **OFF**      For when the heater is not needed; but Frost Protection ❄ is a better choice, giving protection of the house fabric at low cost.

### REMEMBER

- ▷ The ☾ Eco setting must always be lower than the ☀ Comfort setting for the heater to work properly.
- ▷ Lower settings = lower energy usage = lower electricity bills!
- ▷ Once a ☀ Comfort setting has been selected allow a few hours to get used to it to see whether it suits you before making any changes. Putting the ☀ Comfort level higher than the one you normally use will not heat the room any faster but will increase your electricity bill!
- ▷ The heaters have very accurate thermostats. Once in ☀ Comfort mode, after reaching your chosen temperature, they will

automatically and silently switch the heaters on and off in response to changes in the air temperature. The surfaces of the heaters will settle to a steady temperature and be hotter on cold days than on warmer ones. Should a room be warmer than your chosen setting the heater will not switch on at all.

- ▷ If there is more than one heater in a room the temperature settings must be the same on each heater.
- ▷ Heaters must not be covered - if they are they won't work properly and safely.

## *Time Control*

This is given by the Chronopass, a cassette type unit that slides into a pocket below the thermostat controls on the top right hand side back of the master heater in each zone in order to control the times of switching of the heater between the ☀ Comfort and ☾ Eco temperature ranges. Typically, a Chronopass will be found on a heater in the living room and on one in the master bedroom. To



change the programme the Chronopass must first be removed from the heater by pulling it sideways to the right, out of the pocket.

It has seven separately programmable displays:

- a) the actual day and time, a digital display at the top of the screen.
- b) three clock dials divided into two rings of 24 hours for ☀ Comfort and ☾ Eco settings.
- c) three sets of 7 days, one set next to each of the clock dials.

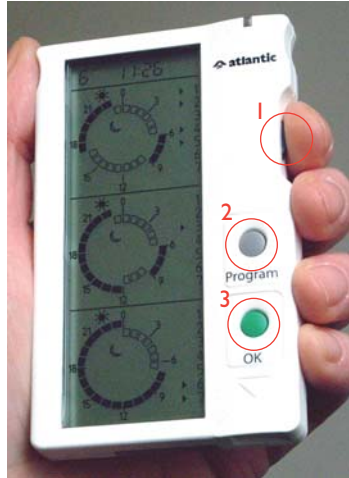
The picture shows a typical programme using all three displays, divided between the days of the week, but just one or two can be used if that better suits your needs. The Chronopass automatically allows only 7 days to be selected between the three displays.

## *Activating the Chronopass Display*

Normally the display is blank. It is activated for setting the programme by removing it from the pocket on the heater. If not adjusted for 4 minutes it will revert to being blank. In this case pressing a button will reactivate it, unless it has been set to Child Safety Mode, (*See Child Safety section*).

## Setting the Real Time

Press the Navigator (1) downwards to make the display flash. Press the Program (2) button to make the day number flash. Press the Navigator up or down to move through the 7 days and select the one that you wish to use for today. (Recommended to progress from Monday as 1 to Sunday as 7.) Press the OK (3) button to confirm and move on to setting the hour and minutes in the same way. On confirming the minutes the whole display will flash. Either press OK again to confirm & exit programming mode or press the Navigator as required to move to the next display that you wish to change.



## Programming Comfort and Eco

Use ☀ Comfort settings for when the room is occupied. For all other times and in bedrooms during the normal hours of sleep use the ☾ Eco settings. Move the Navigator until the display that you wish to change is flashing. Press Program and the first hour flashes. Using the Navigator move to the hour that you wish to change between ☀ Comfort and ☾ Eco and press Program. When the clock shows the settings as you want them, press OK to confirm. The whole clock will then flash. Either press OK to confirm and exit programming mode or press the Navigator as required to move to the next display that you wish to change.

## Programming the Days

Move the Navigator until the display that you wish to change is flashing. (If you have just programmed a ☀ Comfort and ☾ Eco clock then make programming the days shown adjacent to it your next step.) Press Program to make the day 1 flash. (Remember that the number shown in the Actual Time display is that for today.) An arrow shows if it has been selected. If you wish to deselect it, press Program. If you wish to move between the days without changing the selection then use the Navigator until you reach the day that you do wish to change.

When the day selections are as you want them, press OK to confirm. All seven days will then flash. Either press OK to confirm and exit programming mode or press the Navigator as required to move to the next display that you wish to change.

## *Child Safety*







To blank the screen and disable the buttons press OK and Program at the same time. Repeat to re-enable the display and buttons.

## *Replace the Chronopass on the Master Heater*

The Chronopass must be put back in the pocket on the master heater after the programme has been set, ensuring that **all** displays have stopped flashing by pressing OK. Insert it with the display facing forward and the green OK button to the left.

**When pushed fully home a light on the outer end will flash five times, verifying that the Chronopass is correctly inserted.**

### **REMEMBER**

- ▷ The Chronopass only sets the time for switching between  Comfort and  Eco temperature ranges. The dial settings on the heater(s) fitted with a Chronopass do not affect any other heaters.
- ▷ The Chronopass will only switch those heaters that are connected to it, and will only switch them if their slider is set to the clock symbol.
- ▷ Each heater can individually be set to over-ride the Chronopass control, simply by moving its slider to one of the other settings. If you are not using a room you may prefer, for economy, to set the slider to  Eco and to turn the  Eco temperature lower.
- ▷ For economy if you are not going to occupy any room for some time it will be better to use the  Eco mode setting on that heater.
- ▷ The less you use the  Comfort mode on your heater - the lower your electricity bill.

## NB

- ▷ Attached to the back of the Chronopass you will find a card with instructions on both sides.
- ▷ The displays can be reset to the factory settings by pressing a pointed implement through the hole in the back of the Chronopass marked 'reset'.
- ▷ The battery must be changed when the battery symbol shows at the top of the Chronopass screen, or if the screen does not become "live" when the "programme" button is pressed. It is a CR2032 button-type battery which is fitted into the bottom end of the Chronopass in a grey pull out tray (I). The +ve side of the battery must face upwards in the tray and the tray inserted with this side towards the back of the Chronopass. The silver metal contact strip fitted on the battery tray must be kept in place, making contact with the +ve side of the battery. When handling the battery hold it between the fingers across its diameter. Holding it between the +ve and -ve sides will very quickly run it down.



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### Notes to front cover text:

1. Standard UK pattern 3 pin sockets.
2. Not in bathrooms.
3. In the same home with a single electricity meter and 24 hour single phase supply.