

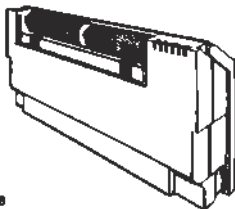
User's Instructions

AQ6000

Honeywell

BEFORE YOU BEGIN:

- 1) Open the front cover.
- 2) Lift the unit from the wall bracket.
- 3) The front screen should now be displaying some numbers and various markers.
- 4) If the display is blank, remove the cover from the battery compartment at the rear of the unit and check that two AA size batteries are installed, as shown.
- 5) Replace the cover on the battery compartment.
- 6) Replace the unit in the wall bracket and close the front cover.



UNDERSTANDING AQ8000

AD8000 is a high performance heating controller which will provide a high level of home comfort while keeping your fuel bills low. It does this by providing just the amount of heat you require at different times of the day, and on different days of the week. You only have to tell the controller about the different daily and weekly temperature variations you require.

By following the instructions given in this booklet, you should have no difficulty doing this. The unit has been designed to be easy to use, and after a short time you will become familiar with the operation of the buttons and the meanings of the various numbers and markers in the display.

You can set:

- Three different temperature levels:

COMFORT for the morning when the family is getting up and for the evening when you relax reading or watching television.

ACTIVITY for the periods of the day when a lower temperature is desired, for example in the middle of the day when the housework is being done.

ECONOMY for maximum energy saving during the night or when the house is unoccupied.

- Up to six periods a day, each at one of the selected temperature levels.
- Two separate programmes, one for workdays (eg Monday to Friday) and one for restdays (eg Saturday and Sunday).

THE PRE-SET PROGRAMME

When the unit is first installed, a complete pre-set heating programme is automatically set up. This is a simple programme which does not differ for work and rest days. The programme is shown in the chart below. If you do not programme your controller then it will behave as shown in the chart.

On each day of the week, the controller will maintain a temperature of 16° (Economy level) between 23:00 hrs and 7:00 hrs, and during daytime (7:00 – 23:00) will maintain your house at 22° (Comfort level).

A blank chart has also been provided to help you to plan out your own temperature programme (see fold out). We advise that you fill out the blank chart after you have read this manual but before you begin programming.

COMFORT
LEVEL

22°



workday programme



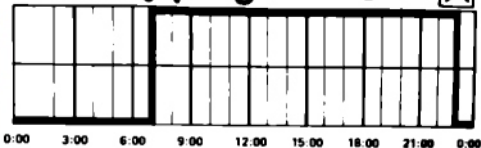
ACTIVITY
LEVEL

19°

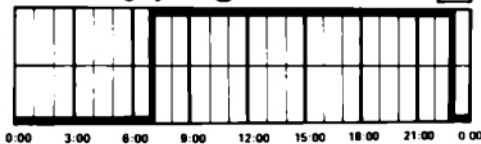


ECONOMY
LEVEL

16°



restday programme



mon tue wed thu fri sat sun

WORKDAYS

✓	✓	✓	✓	✓		
					✓	✓

RESTDAYS

PROGRAMMING THE CONTROLLER

The controller can be removed from its wall bracket and programmed in the comfort of your armchair! Just open the front cover and lift the unit upwards. The internal batteries will provide power to the unit while you carry out programming operations. Meanwhile your heating system will continue to operate.

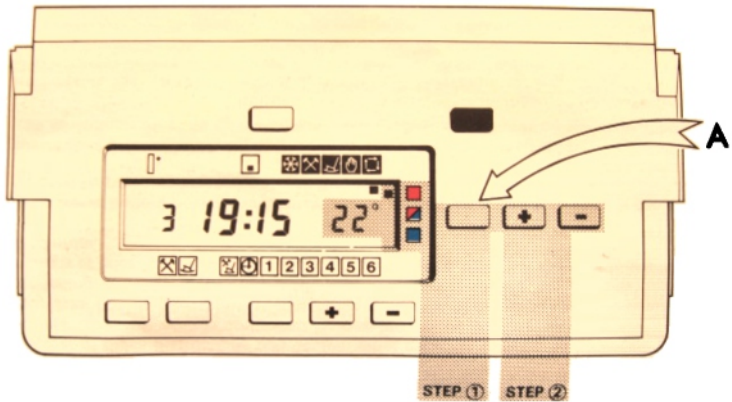
The illustration on page 29 shows the main programming areas on the screen, and the various buttons, symbols and markers associated with each area.



The fixed order of the programming stages to be followed is shown in the figure above. How to complete each separate stage will now be explained in simple numbered STEPS. The step numbers, for example **STEP ①** will also be marked on the diagrams at the top of the page highlighting the buttons and areas of display used in that STEP. Buttons are identified by letters on the diagrams.

The rest of these instructions will explain what all these buttons do. However, you will see that each area is controlled by one button, or group of buttons, and that each area has its own black marker, next to a row of symbols to show what is happening, or what is currently displayed on the screen. (You may not see all the markers at once.) When programming it is essential to carry out the operations in a fixed order.


To conserve battery power, the display will go blank after a period of time. It can be restored by pressing any button until it re-appears.



SETTING TEMPERATURE LEVELS





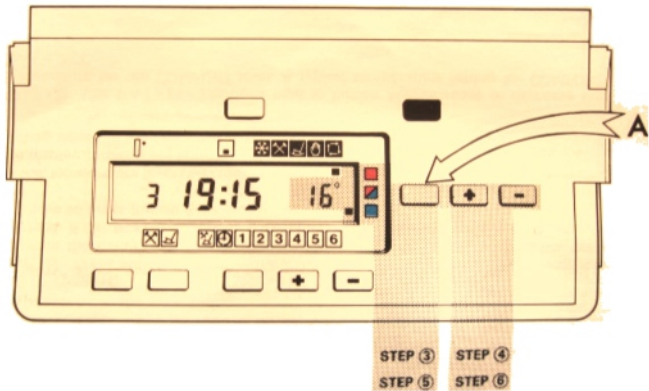
As you can see from the above figure, you are now starting the first stage of programming in the fixed order.


STEP ① Press button A to move the black marker square on the display until it is opposite the COMFORT symbol . This shows that the COMFORT level has been selected. If the marker square is already alongside the COMFORT symbol, you do not have to press button A.



At this temperature level you can see the display showing the temperature setting stored in the unit's memory.



STEP ② Use the   buttons next to button A to increase or decrease the temperature for the COMFORT level. A typical temperature setting for COMFORT level is 22°C.



STEP ② Now press button A to select ECONOMY level. The black marker next to the symbol  shows you have selected this level.

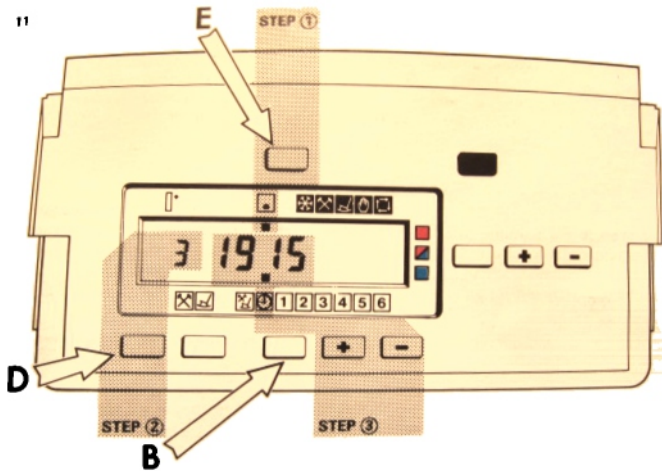
STEP ④ Use the   buttons next to button A to set the temperature for the ECONOMY level. A typical temperature setting for the ECONOMY level is 16°C.

STEP ⑤ Press button A to select ACTIVITY level. The black marker next to the symbol  shows you have selected this level.

STEP ⑥ Use the   buttons to set the temperature for the ACTIVITY level. A typical temperature setting for the ACTIVITY level is 19°C.

When you have set three temperature levels, you have finished the first stage of the programme.



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SETTING THE CLOCK



You are now starting the second stage of programming by setting the current time and day (today).

STEP ① To set the clock you must first select programming mode. Press button E until the top black marker moves into the programming mode position  as shown. Another marker will have appeared at the bottom of the screen next to the clock symbol  to indicate you are now ready to set the time.

STEP ② Press button D to select the current day number. The day number is displayed to the left of the screen. Each time you press button D the day number will change. Select the day number to be:

1 = Monday

4 = Thursday





7 = Sunday

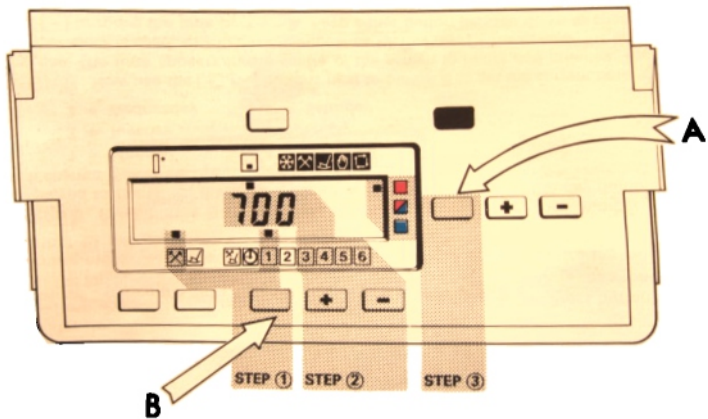
2 = Tuesday

5 = Friday

3 = Wednesday

6 = Saturday

STEP ③ Now use the   buttons next to button B to set the current time of the day. The time appears in the centre of the screen in hours and minutes. The 24 hour clock is used, so 7.15 pm will appear as 19:15. Press  to advance the time, and  to move the time backwards. Keep either button pressed down to change the time more rapidly. You can set the time to the nearest minute.








ADJUSTING THE CONTROLLER TO YOUR OWN LIVING PATTERN


WORKDAY PROGRAMME

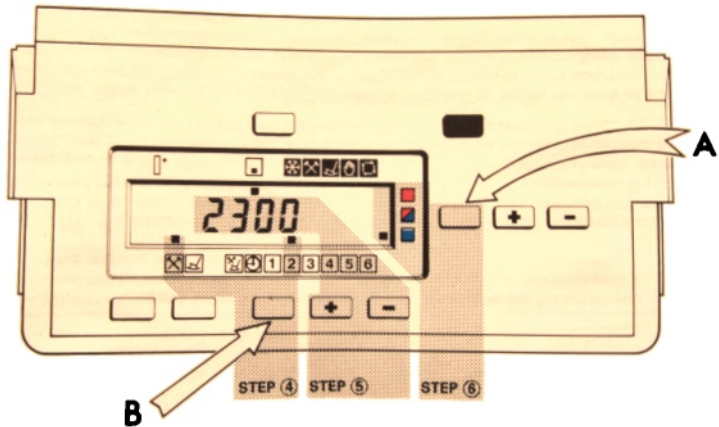


When setting the times for level changes, they should be set for when you want the room to be at the new temperature. The Controller will then switch your heating at the appropriate time.

STEP ① Press button B to move the bottom marker to Position ①. Now you should see four black markers on the screen, as shown. This indicates that you are now adjusting the time of the first level change for the workday  programme. If you press button B too often, and the marker moves beyond the position shown, don't worry, just press button B repeatedly (about 14 times) until the display returns to that shown, with the workday/restday marker in the workday position.

STEP ② Now use the   buttons beside button B to adjust the time of the first level change. The time appears in the centre of the screen in hours and minutes. Press  to advance the time and  to move the time backwards. Keep either button pressed down to change the time more rapidly. The times of level changes can be set to the nearest ten minutes.

STEP ③ Press button A to select one of the three temperature levels, for example .



STEP 4 To set the time of the second level change, press button B once, to move the lower black marker along to Position **2** as shown.

STEP 5 Now use the **+** **-** buttons beside button B to adjust the time of the second level change.

STEP 6 Press button A to select one of the three temperature levels, for example **1**.

Now repeat the above steps for level changes **3** **4** **5** and **6**.

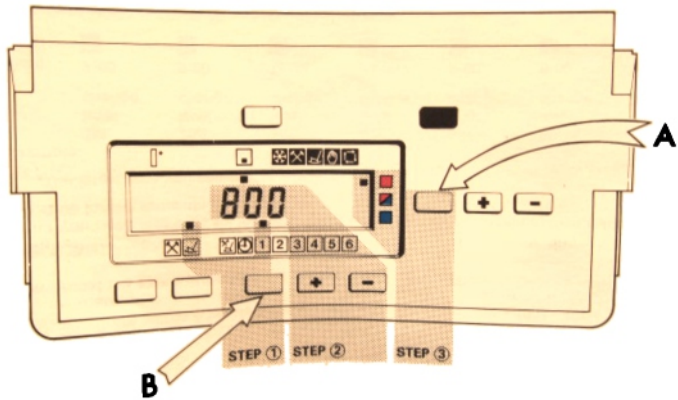
IMPORTANT!

- If you need less than six level changes for the workday programme, then select 0:00 for the remaining changes.
- The latest time you can set for a level change is 23:00.

Example:-

	1st level change	2nd level change	3rd level change	4th level change	5th level change	6th level change
Time	7:00	9:00	18:00	23:00	0:00	0:00
Level	■	■	■	■	■	■

Only level changes **1**, **2**, **3** and **4** will be effective.

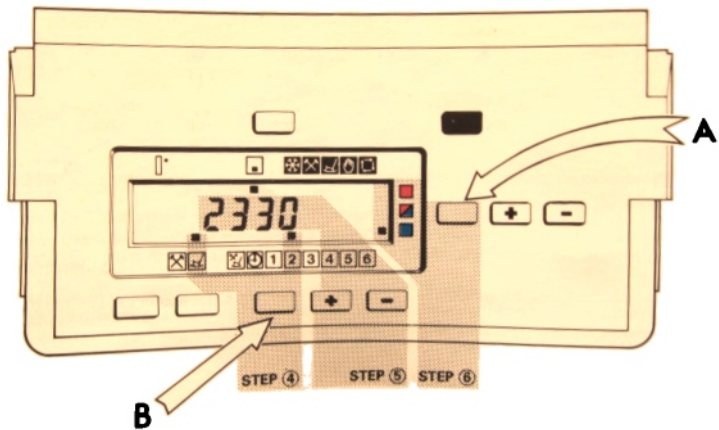




STEP ① Press button B once after setting the sixth level change of the workday programme. This will move the time set marker back to Position 1 and the workday/restday marker to the restday position . This indicates that you are now adjusting the time of the first level change for the restday programme.

STEP ② Now use the buttons beside button B to adjust the time of the first level change. The time appears in the centre of the screen in hours and minutes. Press to advance the time and to move the time backwards.

STEP ③ Press button A to select one of the three temperature levels, for example .



STEP 4 To set the time of the second level change, press button B once, to move the lower black marker along to Position **2** as shown.

STEP 5 Now use the **+** **-** buttons beside button B to adjust the time of the second level change.

STEP 6 Press button A to select one of the three temperature levels, for example **2**.

Now repeat the above steps for level changes **3** **4** **5** and **6**.

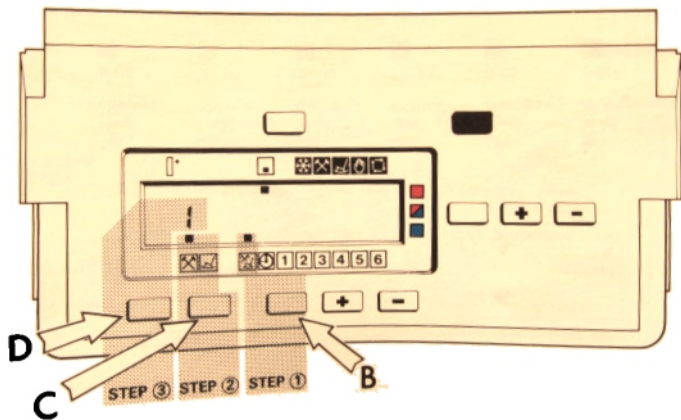
IMPORTANT!

- If you need less than six level changes for the restday programme, then select 0:00 for the remaining changes.
- The latest time you can set for a level change is 23:50.

Example:-

	1st level change	2nd level change	3rd level change	4th level change	5th level change	6th level change
Time	8:00	10:00	19:00	23:30	0:00	0:00
Level						

Only level changes **1**, **2**, **3** and **4** will be effective.





SELECTING WORKDAYS AND RESTDAYS



STEP ① Press button B once after setting the sixth level change of the restday programme.

You can now select days of the week to be either workdays or restdays.

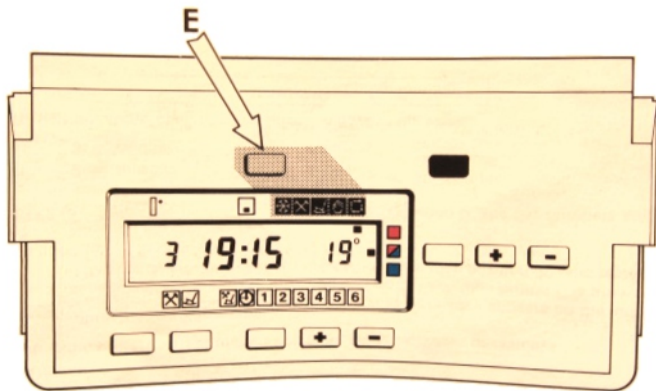
STEP ② The day number being set as a workday or restday appears on the left of the screen. To select the type of day press button C. Each time button C is pressed, the workday/restday marker changes between the workday position  and restday position .

STEP ③ Select the next day number by pressing button D. The day numbers are:

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

Repeat the above operations for all seven days of the week.






You have now completed programming.



PUTTING YOUR HEATING PROGRAMME INTO OPERATION

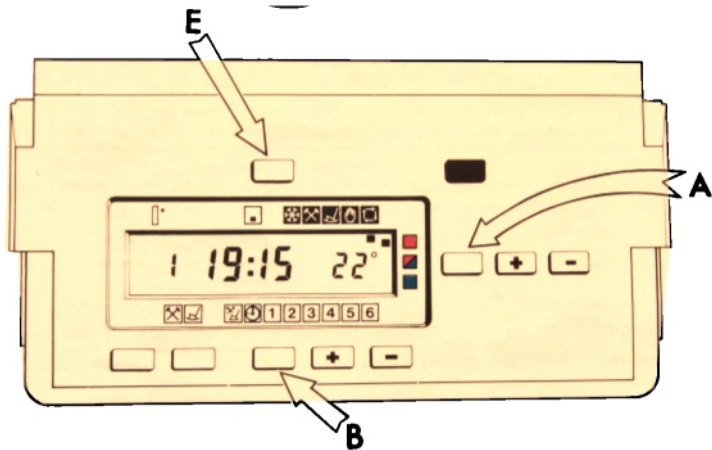
Place the unit into the wall bracket. Press button E to select one of the five operating modes. Each time you press button E the black marker moves along the top of the screen by one position. The symbol above the marker tells you which mode you have selected.

The five modes you can set are:-

-  Frost protection – to turn your heating off, but prevent freezing in cold weather.
-  Continuous Workday programme – to operate every day according to the workday programme, stored in the unit's memory.
-  Continuous Restday programme – to operate every day according to the restday programme stored in the unit's memory.
-  Manual setting – to operate continuously at any level set by the user. Follow the instructions in "Setting Temperature Levels".
-  Fully Automatic – to operate according to the complete workday/restday programme stored in the unit's memory.

For normal operation, press button E until the marker indicates the automatic  position, as shown.

After a few seconds, the display will show the correct level for the current programme. Now the unit will operate automatically according to your complete workday and restday programme. You may now close the front cover.



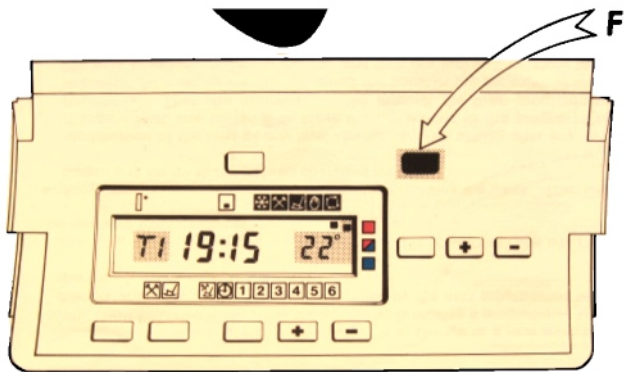
MAKING CHANGES

Two changes can be made with the cover closed.

- Change of temperature setting – Use the **[+]** **[-]** buttons to increase or decrease the room temperature setting. This setting will apply each time the level is selected (see Setting Temperature Levels)
- Change of temperature level – Use button A to change to a new level, but, note, this cannot be done while the controller is making a programmed level change. Your temporary change is cancelled by the next programmed level change.

In addition, the following changes can be made with the cover open. The unit may also be removed from its wall bracket for convenience.

- Adjustment of clock – Follow the procedure in “Setting the Clock”. Then use button E to return to the desired operating mode.
- Modification of the time of any level change, or level setting after any level change – First, use button E to move the top marker to the programming position **[a]**. Then use button B to step through the fixed programming sequence. As soon as you have reached the point in the programme which you wish to modify, make the change, and then use button E to return to the desired operating mode.



REVIEWING TEMPERATURES

You can review the temperatures in your heating system. Press the green system temperature enquiry button F. The display will indicate on the left the symbol T1, and on the right a temperature reading will appear. Press the green button again to review the next system temperature.

They are:-

T1 = Room temperature

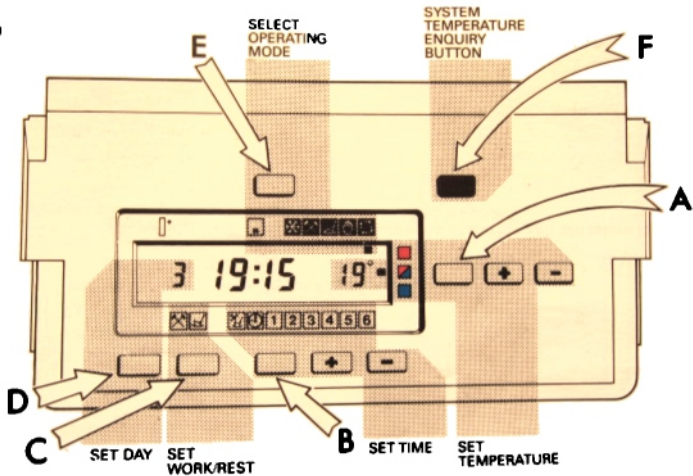
T2 = Water supply temperature

T3 = Outside air temperature


And other system temperatures if configured.

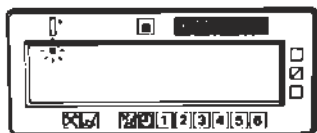
Your installer can advise.

After the final reading, push the green button once more, and the unit will return to normal operation, with a day number at the left of the display.



BATTERY REPLACEMENT

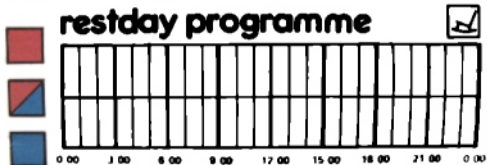
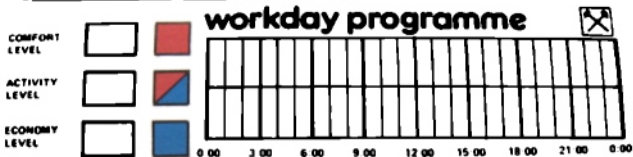
You will have to replace the batteries after about two years. When the battery power is low, a flashing marker appears under the battery symbol  on the display, as indicated below.



Fit two AA size batteries as shown on page 1.

After replacing the batteries the unit will revert to the pre-set programme and you will therefore have to re-enter your own particular programme according to the instructions in this booklet.

your own programme



mon tue wed thu fri sat sun

WORKDAYS
RESTDAYS

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