

Charlestown Apartments - Heating Controls Guide

*Setting up your controller correctly will lead to **significant monthly savings** and a more comfortable apartment.*

Each apartment has a heating timer and a wall mounted thermostat.



Heating timer

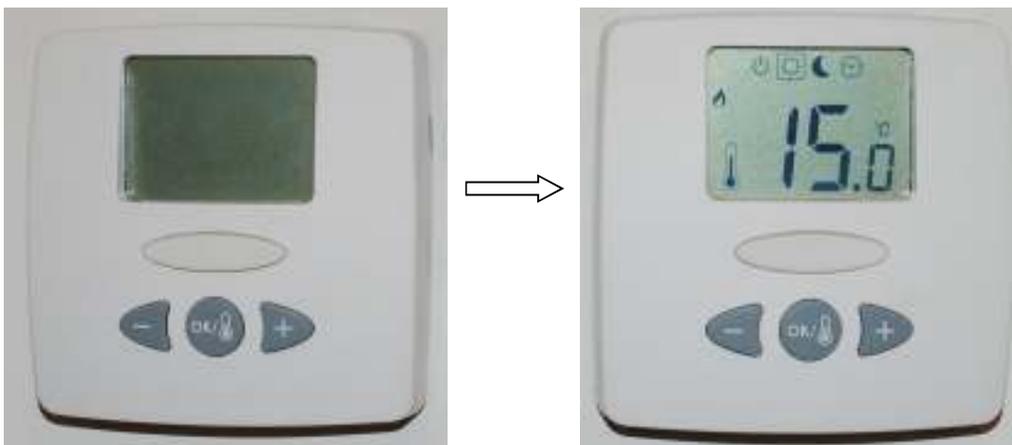


Wall mounted thermostat

The time clock has 4 channels.

- Channel 1 is for heating
- Channel 2 is for hot water
- Channel 3 Not used in Charlestown
- Channel 4 Not used in Charlestown

When Channel 1 on the time clock is active, it switches the wall thermostat on.



The temperature in the apartment can then be controlled by the **+** and **-** buttons once the thermostat is switched on. We suggest a set-point between 20 and 21 °C. The set-point flashes for a couple of seconds then displays the room temperature.

	<p>When the thermometer icon is displayed, the thermostat is displaying the measured room temperature.</p>		<p>When the flame icon is displayed, the controller is requesting heat. If everything is working correctly, heat will flow to the radiators.</p>
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After the flame icon is active it takes between 2 and 5 minutes to feel heat on your radiator pipes.



The radiator thermostat works by allowing heat into the radiator until **the room** heats to a specific valve.

“**1**” shuts the radiator down when the room is still quite cool, while “**5**” keeps the radiator active until the room is much hotter.

Hot water control

The most common reason for high heating bills is the incorrect setting of the hot water thermostat.



Setting the hot water thermostat to 50°C (see above) will result in hot water and will be very economical to run. However we recommend that the set-point is raised to 65°C for one hour each week to sterilise any bacteria that may colonise the hot water cylinder.

During heating repairs we have found apartments with the thermostat sitting on the floor (where it cannot measure the cylinder temperature) and other apartments with the temperature set at 90°C, while the timer set for continuous mode. In these cases, hot water will circulate continuously and the resulting heat losses will lead to significantly elevated heating bills.

Programming the Timer Unit



To set up the time use the arrow to move the box to the clock icon.



then press **OK**

The time flashes, and this can be adjusted using the **+** and **-** buttons.



The left and right arrows can be used to change between Hour, Minute and days of the week. (1 is Monday and 7 is Sunday). Press **OK**.

The cursor is now at the top of the menu.

The next stage is to program the heating times.

Use arrows to highlight the **P** icon. Press **OK**.



Ch1 now flashes. Press **OK**.

P1 (or another profile program) now flashes. Use the **+** and **-** buttons to choose which one you want.



There are built in programs

- P1 Morning, Evening & Weekend
- P2 Morning, Midday, Evening & Weekend
- P3 Day & Weekend
- P4 Evening & Weekend
- P5 Morning, Evening
- P6 Morning, Afternoon & Weekend
- P7 7am to 7pm Weekdays
- P8 8am to 7pm Weekday & Saturday
- P9 Weekends Only
- U1 Manual configuration for Channel 1 (heating)
- U2 Manual configuration for Channel 2 (hot water)
- U3 Manual configuration for Channel 3 (not used in Charlestown)
- U4 Manual configuration for Channel 3 (not used in Charlestown)

Once you are happy with your choice, press **OK**.

If you need a different time profile to any of the pre-programmed versions, then the user programmable option can be used.

U1 (for channel 1 heating) and U2 (for channel 2 hot water),

Follow steps above until U1 is displayed, the press **OK**

00:00 now flashes.



Select heat on with the **+** button, and heat off with the **-** button. You can backtrack and move forwards using the left and right arrows. All days should be completed, (When the little bars are raised, this means the heat is on for these hours).

The small 1 2 3 4 5 6 7 above the time refers to the day of the week. 1 = Monday, 2 = Tuesday etc.

When you reach 23:00 on 7 (Sunday), the next right arrow movement will save the settings and return you to the top menu and leave the controller in manual mode.



The sun icon means **on** all the time for heating (ch1) and hot water (ch2)

Use the right arrow to move across to **Auto**.

The next stage is to program the hot water heating times.

There is enough water in the cylinder to provide two showers or one bath, and the cylinder will keep hot for 24 hours , so we would suggest that water is turned on for only one or two hours per day. This will save greatly on the monthly heating bill.

To avoid any conflicts with future possible night setback operation, we suggest avoiding times between 12 midnight and 6 am. (More detail to follow).

Once the cylinder thermostat temperature (e.g. 50°C) has been reached, circulation to the cylinder will stop.



Use arrows to highlight the **P** icon. Press **OK**.



Ch1 now flashes. Use the **+** and **-** buttons to select **Ch2**.

Press **OK**

Follow the same procedure as above, but now choose

U2 and press **OK**



Select heat on with the **+** button, and heat off with the **-** button. You can backtrack and move forwards using the left and right arrows. All days should be completed, (When the little bars are raised, this means the heat is on for these hours).

The small 1 2 3 4 5 6 7 above the time refers to the day of the week. 1 = Monday, 2 = Tuesday etc.

When you reach 23:00 on 7 (Sunday), the next right arrow movement will save the settings and return you to the top menu and leave the controller in manual mode.



The sun icon means **on** all the time for heating (ch1) and hot water (ch2)

Use the right arrow to move across to **Auto**

Set up is now complete.

Boosting your heating / hot water

Use the arrows to highlight the Sun icon.



This leaves the controller in Manual (heating and hot water **ON** all the time), however by using the **+** and **-** buttons, a timed boost function can be achieved.



In this case the controller reverts to Automatic after 4 hours.



***Leaving your controller in Auto will save you money!!!
Please contact us if you have any queries on 01 685 3516***