The Horstmann CentaurPlus C27 two channel programmer gives independent control over hot water and heating with up to 3 ON/OFF settings for each day of the week. It also has a 1 hour manual boost button for the hot water and an advance button for the central heating.

There is also a programming switch allowing permanent selection of: OFF/ON/AUTO/ALL DAY.
# The CentaurPlus C27 Programmer

The simple instructions contained in this user guide are designed to help with the programming and operation of the unit.

![Diagram of the CentaurPlus C27 Programmer]

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Manual Overrides

**BOOST FUNCTION - 1 HOUR TEMPORARY OVERRIDE (HOT WATER ONLY)**

The boost facility will allow the user to boost the hot water channel which is currently ‘OFF’ for 1 hour. To indicate the boost being activated BOOST will be shown on the display for the duration of the boost period. The hot water channel ON indicator will also be illuminated.

Press BOOST button once for 1 hour of hot water

At any time during a BOOST period press BOOST again to return to normal programming

To cancel the advance press the ADVANCE button again. This will return the unit to its normal programme

**ADVANCE FUNCTION – BRINGS FORWARD THE NEXT ON OR OFF OPERATION (CENTRAL HEATING ONLY)**

The advance facility will allow the user to switch the central heating channel ‘ON’ which is currently ‘OFF’ or switch the central heating channel ‘OFF’ which is currently ‘ON’. To indicate the advance feature being activated ADVANCE will be shown on the display until the next programme switching time. The central heating ON indicator will also be illuminated.

The installer will have set the programmer to suit the installed system. This is normally a Fully Pumped system which will allow independent control of the central heating and hot water, however on an old Gravity system the central heating and hot water are linked so that it is not possible to use the central heating independently. This will allow only one common time setting for both hot water and central heating, and will become apparent when setting the ON and OFF times as both will be indicated together.

Fully Pumped or Gravity System

The installer will have set the programmer to suit the installed system. This is normally a Fully Pumped system which will allow independent control of the central heating and hot water, however on an old Gravity system the central heating and hot water are linked so that it is not possible to use the central heating independently. This will allow only one common time setting for both hot water and central heating, and will become apparent when setting the ON and OFF times as both will be indicated together.
Programme Override Facilities

With the CentaurPlus C27 programmer operating in the normal running mode it is possible to alter the functionality of the programme on each individual channel by means of the CH and HW buttons.

The options include:

- **AUTO** - Channel follows all programmed ‘ON’ and ‘OFF’ times.
- **ALL DAY** - Channel operates from 1st ‘ON’ time until 3rd ‘OFF’, ignoring all switching times in between.
- **24hrs** - Channel will be constantly ‘ON’.
- **OFF** - Channel will be constantly ‘OFF’, there is the ability to turn off the heating during the summer without altering the programme times. On the hot water channel the boost is still available. As both channels are totally independent it is possible to have them set differently if necessary.

All of the settings above will be permanent, i.e. unaffected by programme times, until alteration by the user.

The diagram below illustrates how to alter the setting, it assumes that the channel is in the AUTO mode to begin with.
Setting Time of Day and Date

The CentaurPlus C27 series 2 programmer has a built in clock and calendar. This will mean that you will need to enter the date as well as the time on initial set up or if the factory re-set has been used. Having done this, the clock will automatically adjust for BST/GMT time changes throughout the year.

Press the set button until the set indicator is next to the ‘clock’ position

Use the + and – buttons to adjust the hour and press ENTER

Use the + and – buttons to adjust the minutes and press ENTER

Use the + and – buttons to set the date and press ENTER

Use the + and – buttons to set the month and press ENTER

Use the + and – buttons to set the year and press ENTER

Once the year is set and the ENTER button is pressed the process is complete and the display will return to the run position

Check that the correct time and day are showing in the display. If the wrong day is showing in the display that would indicate that the date has not been set correctly and the above process should be repeated
Setting the On and Off Times

To alter these settings please proceed as follows:-

- Press the SET button until SET indicator is next to HW or CH PROG position
- Use PLUS and MINUS buttons to adjust day
- Press ENTER
- Use PLUS and MINUS buttons to adjust 1st ON time
- Press ENTER
- Use PLUS and MINUS buttons to adjust 1st OFF time
- Press ENTER

Repeat this process for 2nd and 3rd settings

Enter the 3rd OFF time and the word COPY is displayed

To follow the copy route and repeat all programmed times for another day go to 1

To set independent times for other days go to 2

Use the PLUS and MINUS buttons to select day required and press COPY. ‘IN’ is displayed to confirm the copy. Repeat for other days as required

Press ENTER. Use the plus and minus buttons to select the day required and press ENTER. Set 1st, 2nd and 3rd times as before. To repeat for other days go to 2, to copy go to 1

To transfer to independent times for other days go to 2 or to finish programming press the SET button until the SET indicator is in the RUN position

To finish programming press the SET button until the SET indicator is in the RUN position

**DEFAULT TIME SETTINGS**

<table>
<thead>
<tr>
<th>1st ON</th>
<th>1st OFF</th>
<th>2nd ON</th>
<th>2nd OFF</th>
<th>3rd ON</th>
<th>3rd OFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.30AM</td>
<td>8.30AM</td>
<td>12.00PM</td>
<td>12.00PM</td>
<td>4.30PM</td>
<td>10.30PM</td>
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</tbody>
</table>

The default time settings shown above are preset at the factory.

NB. The factory default settings for the 2nd ON/OFF times are both set at 12:00pm (midday) which cancels this ‘ON’ period giving 2 ON/OFF periods for the day. If a midday ‘ON’ period is required set the 2nd ON and OFF times accordingly. If not press ENTER twice.
Resetting the Programmer

Electronic equipment can in some circumstances be affected by electrical interference. If the programmer’s display becomes frozen or scrambled; or if you wish to revert back to the default time settings please reset by pressing the SET and CH buttons together as shown below.

After initial installation it is advisable, before programming the CentaurPlus for the first time, to reset the unit. Resetting can only be achieved with the power ‘ON’ by pressing the SET and CH buttons together. This will return the programmer to the factory set default times.

Press the SET and CH buttons together then release the buttons and the programmer will return to preset factory settings

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General Information

**BATTERY**
The programmer is fitted with a non-rechargeable, long life battery, which will maintain the programmed time settings for a minimum of ten months with the supply disconnected.
THIS SHOULD BE SUFFICIENT TO COVER POWER INTERRUPTIONS DURING THE LIFE OF THE UNIT. During power interruptions the display will be blank, after 3 days the current time of day will be lost. These measures are to prolong the battery life.

**SERVICE AND REPAIR**
This programmer is NOT user serviceable. Please do not dismantle the unit. In the unlikely event of a fault developing please refer to the RESETTING THE PROGRAMMER section of this user guide shown above. If this fails to resolve the problem please contact a local heating engineer or a qualified electrician.
What is a programmer?

... an explanation for householders.

Programmers allow you to set ‘On’ and ‘Off’ time periods. Some models switch the central heating and domestic hot water on and off at the same time; while others allow the domestic hot water and heating to come on and go off at different times.

Set the ‘On’ and ‘Off’ time periods to suit your own lifestyle. On some programmers you must also set whether you want the heating and hot water to run continuously, run under the chosen ‘On’ and ‘Off’ heating periods, or be permanently off.

The time on the programmer must be correct. Some types have to be adjusted in Spring and Autumn at the changes between Greenwich Mean Time and British Summer Time. You may be able to temporarily adjust the heating programme, for example, ‘Override’, ‘Advance’ or ‘Boost’. These are explained in the manufacturer’s instructions.

The heating will not work if the room thermostat has switched the heating off. And, if you have a hot-water cylinder, the water heating will not work if the cylinder thermostat detects that the hot water has reached the correct temperature.