



HORSTMANN

Leaflet P. 30947
Issue 4

User's operating
instructions

CENTAUR TC7

ELECTRONIC CENTRAL HEATING CONTROL

PLEASE READ THIS LEAFLET CAREFULLY
BEFORE USING YOUR CENTAUR TC7

1

INTRODUCTION

The Centaur TC7 is an electronic, weekday/weekend central heating and hot water programmer; extremely reliable and easy to operate. Properly programmed, the Centaur TC7 will help you save energy and create a comfortable environment in your home.

The Centaur TC7 has the following features;

- 3 ON and 3 OFF periods every 24 hours with a choice of different programmes for weekdays and weekends.
- Override programme options of AUTO, ALL DAY, 24 HRS, OFF and WEEKEND LOCK.
- A choice of HOT WATER ONLY or HOT WATER AND CENTRAL HEATING.
- An ADVANCE button (ADV) allowing an instant switch from ON to OFF, or from OFF to ON, without affecting normal settings.
- A BOOST button providing a 1 hour boost when required.

Setting, programming and using the Centaur TC7 is easy. All you have to do is follow these step by step instructions. You will not need the help of an electrician, and no tools are needed.

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SETTING BUTTONS, INDICATORS AND SYMBOLS

Most of the control buttons on your Centaur programmer are dual purpose buttons.

They can be used either as PROGRAMME buttons for selecting override programmes, advance and boost facilities or as SETTING buttons for inputting time of day, on/off times, etc.

The diagram below (figure 1) can be used to identify the SETTING buttons, indicators and symbols referred to in sections 3, 4 and 5 of this leaflet.

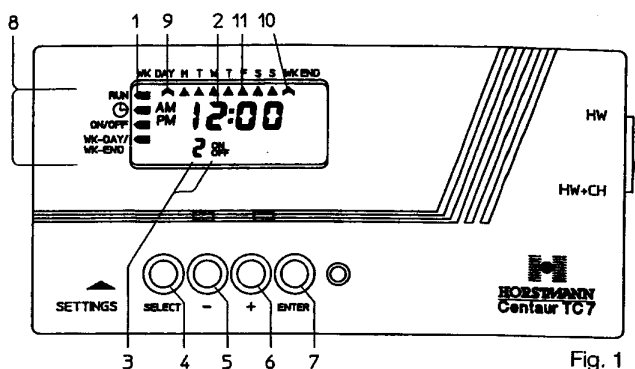


Fig. 1

- | | |
|---------------------------|-------------------------------|
| 1. SETTINGS indicator | 7. ENTER button |
| 2. Time of day | 8. SETTINGS positions |
| 3. Switch period symbol | 9. WEEKDAY programme symbol |
| 4. SETTINGS SELECT button | 10. WEEK-END programme symbol |
| 5. MINUS button (-) | 11. Day of week indicator |
| 6. PLUS button (+) | |

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SETTING THE DAY AND TIME OF DAY

NOTE: When setting the day, time of day or switch times, if a period exceeding 60 seconds is allowed to elapse between button presses, then the programmer will automatically revert to the RUN mode and any changes made since the last press of the enter button will not be saved.

- i) Press the SELECT button once so that the SETTINGS INDICATOR is pointing to the CLOCK position on the front of the programmer. The DAY OF THE WEEK INDICATOR will now flash (see figure 2).

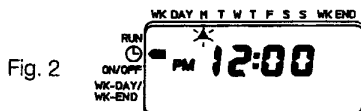


Fig. 2

- ii) Use the PLUS button (+) or MINUS button (-) to move the indicator to the current day of the week.

Letters relating to the days of the week are printed on the unit along the top of the display.

- iii) Press the ENTER button. The TIME OF DAY WILL now flash (see figure 3).

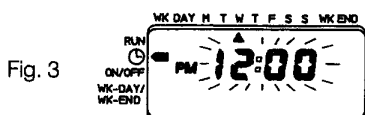


Fig. 3

3

Continued

- iv) Now use the PLUS (+) and MINUS (-) buttons to alter the display to the correct time of day, making sure that the AM/PM symbol is also correct (see figure 4).

NOTE: By pressing and releasing the PLUS (+) and MINUS (-) buttons you advance or retard the time in one minute steps. If you keep the button depressed for a few seconds the display will fast cycle and the time can be changed more rapidly.

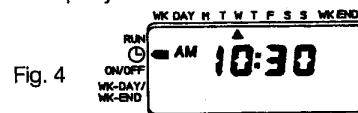


Fig. 4

- v) Now press the ENTER button.

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SETTING THE "ON" AND "OFF" TIMES

NOTE: The ON/OFF times can be set at 10 MINUTE intervals.

The programmer already contains a factory pre-set programme of ON/OFF times in its memory. There are two sets of times, one for WEEKDAYS and one for WEEKENDS. These are based on the most commonly used settings and are shown below.

WEEKDAYS	1st	ON: 6.00 A.M.	1st	OFF: 8.30 A.M.
	2nd	ON: 12.00 P.M.	2nd	OFF: 12.00 P.M.
	3rd	ON: 5.00 P.M.	3rd	OFF: 10.00 P.M.

WEEKENDS	1st ON: 7.00 A.M.	1st OFF: 10.00 A.M.
	2nd ON: 12.00 P.M.	2nd OFF: 12.00 P.M.
	3rd ON: 5.00 P.M.	3rd OFF: 11.00 P.M.

If these settings do not suit your requirements they can easily be changed as follows.

- i) Press the set SETTINGS SELECT button so that the SETTINGS INDICATOR is pointing to the "ON/OFF SETTINGS" position on the front of the programmer. The display will show "1 ON" and the programmed time will flash.

The WEEKDAY symbol will be displayed and the DAY OF WEEK indicator will be shown against those days nominated as WEEKDAYS (see figure 5).

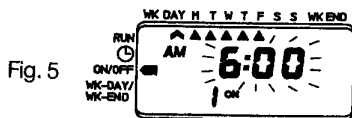


Fig. 5

- ii) Adjust the flashing time as required by pressing the PLUS (+) or MINUS (-) buttons; then press the ENTER button once.
- iii) The display will now show "1 OFF" and the programmed time will flash.

This can now be adjusted in the same way as the "1 ON" time mentioned above.

Follow the same procedure for the 2nd and 3rd ON/OFF times remembering to

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Continued

WEEKDAYS: Mon, Tues, Wed, Thurs, Fri
WEEKENDS: Sat, Sun

However, if this does not meet your own requirements any weekday can be changed to a weekend and vice versa.

- i) Press the SETTINGS select button so that the SETTINGS INDICATOR is in the WEEKDAY/WEEKEND position.
- ii) A day of Week indicator will now flash against MONDAY (M) and the WEEKDAY symbol will be shown (see figure 7).

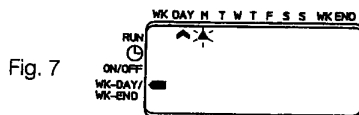


Fig. 7

If you wish to change Monday to a weekend day press the ADJUST (+ or -) and the WEEKEND symbol will appear instead of the WEEKDAY symbol (see figure 8).

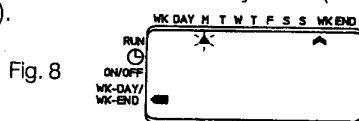


Fig. 8

Press ENTER. MONDAY has now been changed to a WEEKEND day. Tuesday (T) will now be indicated on the display.

Other days can be changed in the same way. If you do not wish to alter the status of a particular day simply press ENTER and the display will move on to the next day.

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Continued

press ENTER after each change to the programme.

When the 3rd OFF time has been entered the display will again show 1 ON and the programmed time will flash.

However the WEEKEND symbol will be displayed instead of the WEEKDAY symbol and those days nominated as WEEKEND DAYS will now be indicated (see figure 6).

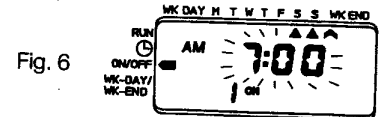


Fig. 6

NOTE: Your CENTAUR programmer allows you to programme up to 3 ON and 3 OFF times. If you do not want to use all of these a switch period can be cancelled by programming the ON operation at the same time as the OFF operation.

e.g. 2nd ON at 12.00 P.M. and 2nd OFF at 12.00 P.M.

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SETTING WEEK DAYS AND WEEKENDS

The pre-set programme in your Centaur has WEEKDAYS and WEEKENDS nominated as follows:

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PROGRAMME BUTTONS, INDICATORS AND SYMBOLS

The diagram below (figure 9) can be used to identify the PROGRAMME buttons, indicators and symbols referred to in sections 7 to 11 of this leaflet.

NOTE: In order to use the programme facilities mentioned in these sections ensure the SETTINGS INDICATOR is in the RUN position.

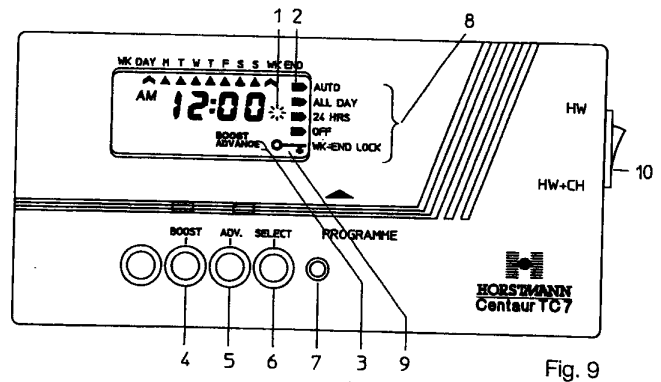


Fig. 9

- | | |
|-------------------------------------|-----------------------------------|
| 1. Programmer 'ON' symbol | 6. programme SELECT button |
| 2. PROGRAMME indicator | 7. RESET button |
| 3. BOOST/ADVANCE 'activated' symbol | 8. PROGRAMME positions |
| 4. BOOST button | 9. WEEK-END LOCK symbol |
| 5. ADVANCE button | 10. HW or HW + CH selector switch |

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PROGRAMME SELECTION

Press the programme SELECT button so that the PROGRAMME INDICATOR, which appears on the right hand side of the display, is adjacent to the required programme position (see figure 10).

Fig. 10



The following programmes are available.

AUTO When AUTO is selected the programmer will switch on and off during the day according to the switching times held in the memory (i.e. up to three ON/OFF periods per day).

ALL DAY When ALL DAY is selected the programmer will switch the system ON at the 1st ON time setting and OFF at the 3rd OFF time setting.

24 HRS When 24 HRS is selected the system remains switched ON continuously, ignoring all time settings.

OFF When OFF is selected the programmer clock continues to operate but the system remains OFF.

WEEKEND LOCK When WEEKEND LOCK is selected the PROGRAMME INDICATOR points to the AUTO position and the WEEKEND LOCK symbol (see figure 9) will be displayed in the WEEKEND LOCK (WK-END LOCK) position.

Press the ADVANCE button (ADV) and release, the word ADVANCE will appear on display.

To CANCEL simply press the ADVANCE button (ADV) again, the word ADVANCE will then disappear from the display.

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USING THE HW/HW + CH SELECTOR SWITCH

The HW/HW + CH selector switch is positioned on the side of the unit (see figure 9).

To select HOT WATER ONLY press the top of the selector switch so that it moves inwards towards the HW position.

To select HOT WATER and CENTRAL HEATING press the bottom of the switch so that it moves inwards towards the HW + CH position. The heating will now follow the same programme as the hot water.

11

USING THE RESET BUTTON

Electronic equipment can in exceptional circumstances be affected by electrical interference.

If your programmer's display or switching program becomes frozen or scrambled or you simply wish to revert to the factory PRE-SET programme you can RESET your programmer by pressing the RESET button (see figure 9).

The RESET button is recessed to prevent it

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Continued

The Centaur will now switch ON and OFF according to the times programmed for WEEKEND DAYS regardless of the actual day of the week.

This feature allows you to operate the weekend programme for holidays etc. without having to change the pre-set times that suit your normal weekday requirements.

NOTE: When the programmer is in the ON condition the display will show a * symbol (see figure 9).

8

USING THE BOOST

Simply press the BOOST button and release. The word BOOST will appear on the clock display and the system will be switched ON for ONE HOUR and will then be automatically switched off.

If you do not require a full hour the BOOST can be cancelled by pressing the BOOST button again. When the boost switches off or is cancelled the word BOOST will disappear from the display.

NOTE: This facility can be used even when the Centaur is programmed OFF.

9

USING THE ADVANCE

The ADVANCE facility allows you to start ON or OFF periods early without altering the programmed on/off times.

being pressed by accident, so you will need to use a pencil or something similar to press it.

Once the reset has been used you will need to re-enter the day of the week, time of day and any required changes to the factory pre-set on/off times as described in sections 3, 4 and 5.

12

RESERVE BATTERY

Your 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 mains supply disconnected.

(THIS IS MORE THAN SUFFICIENT TO COVER ALL THE EXPECTED POWER INTERRUPTIONS DURING THE LIFE OF THE UNIT).

NOTE: When your programmer is running on battery reserve the clock display will disappear. This helps to prolong the life of the battery.

13

SERVICE AND REPAIR

Your programmer is NOT user serviceable. DO NOT TRY TO DISMANTLE THE UNIT.

In the unlikely event of it developing a fault please contact a local Heating Installer or qualified Electrician, but before doing so try RE-SETTING your programmer as described in section 11 of this leaflet.