HORSTMANN

User's operating
instructions

CENTAUR SC1
ELECTRONIC CENTRAL HEATING CONTROL

**PLEASE READ THIS LEAFLET CAREFULLY
BEFORE USING YOUR CENTAUR SC1**

1 INTRODUCTION

The Centaur SC1 is an electronic, 24 hour central heating time control; extremely reliable and easy to operate. Properly programmed, the Centaur SC1 will help you save energy and create a comfortable environment in your home.

The Centaur SC1 has the following features;

- 3 ON and 3 OFF periods every 24 hours with override programme options of CONSTANT, ALL DAY, AUTO and OFF.
- An ADVANCE button 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 SC1 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.

2 SET 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 SET buttons for inputting time of day, on/off times, etc.

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

Fig. 1

1. SET indicator	5. ADJUST (–) button
2. Time of day	6. ADJUST (+) button
3. Switch period symbol	7. ENTER button
4. set SELECT button	8. SET positions

3 SETTING THE TIME OF DAY

NOTE: When setting 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 SET INDICATOR is pointing to the CLOCK position on the front of the programmer. The time of day display will now flash (see figure 2).

Fig. 2

ii) Use the ADJUST buttons (+ or –) to alter the display to the correct time of day, making sure that the AM/PM symbol is also correct (see figure 3).
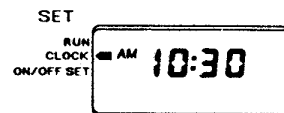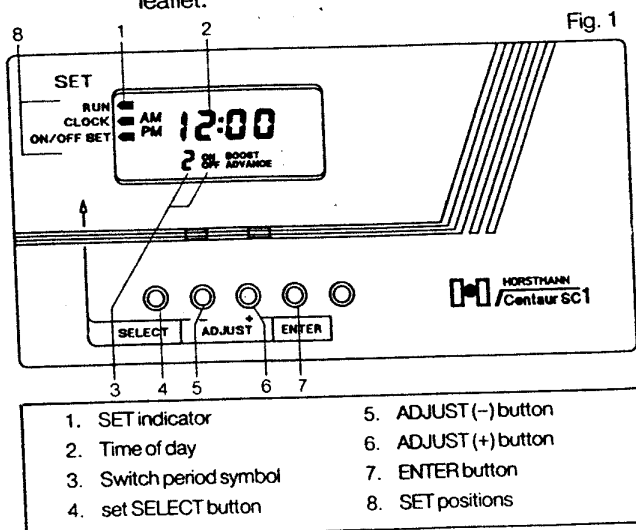

Fig. 3

3 Continued

NOTE: By pressing and releasing the ADJUST 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.

iii) Now press the ENTER button.

4 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 program of ON/OFF times in its memory. These are based on the most commonly used settings and are shown below.

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.

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

4
Continued

i) Press the set SELECT button so that the SET INDICATOR is pointing to the "ON/ OFF SET" position on the front of the programmer. The display will show "1 ON" and the programmed time will flash (see figure 4).
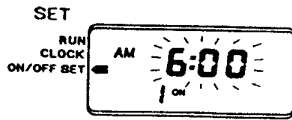

Fig. 4

ii) Adjust this time as required by pressing the ADJUST buttons (+ or −), then press the ENTER button once.

iii) The display will now show "1 OFF" and the programmed time will flash (see figure 5).

Fig. 5

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

4
Continued

iv) Follow the same procedure for the 2nd and 3rd ON/OFF times remembering to press ENTER after each change to the programme.

If you do not wish to change a particular programmed time simply press the ENTER button and the display will move on to the next time.

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.

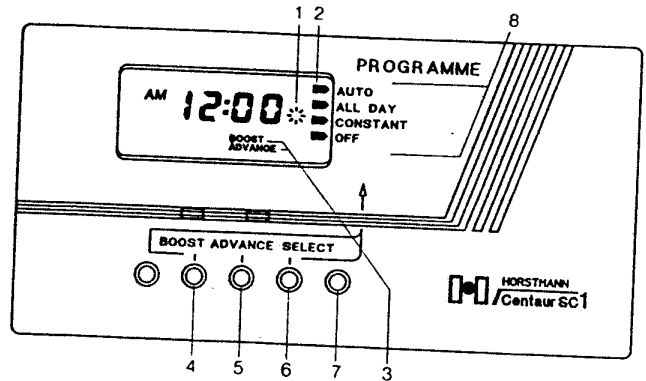e.g. 2nd ON at 12.00 P.M. and 2nd OFF at 12.00 P.M.

5
PROGRAMME BUTTONS, INDICATORS AND SYMBOLS

The diagram below (figure 6) can be used to identify the PROGRAMME buttons, indicators and symbols referred to in sections 6 to 9 of this leaflet.

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

Fig. 6

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		
5.	ADVANCE button		

6
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 7).

Fig. 7

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.

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

6
Continued

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

NOTE: When the programmer is in the ON condition the display will show a ☼ symbol (see figure 6).

7

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.

8

USING THE ADVANCE

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

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

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

9

USING THE RESET BUTTON

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

If your programmer's display or switching programme 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 6).

The RESET button is recessed to prevent it 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 time of the day, and any required changes to the factory pre-set on/off times as described in sections 3 and 4.

10

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).

11

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 10 of this leaflet.

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