## OPERATING YOUR CONTROLLER

# ST6400C Programmer



42009084-005 R2

For normal operation the setting slider must be in the **RUN PROGRAMME** position.

A red indicator lamp shows when the heating or hot water is switched **ON.**

Two sliders are provided to select how the heating and hot water are controlled.

The **HEATING SLIDER** has four positions:

**OFF** The Heating will remain **OFF.**

**AUTO** The heating will be switched **ON** and **OFF** automatically according to the heating programme.

**ONCE** The heating will come **ON** at the first programmed **ON** time and go **OFF** at the last programmed **OFF** time.

**CONT.** The heating will remain **ON** continuously.

The **HOT WATER** slider operates in the same manner as described above for the **HEATING SLIDER.**

### OVERRIDE

The **OVERRIDE** buttons switch the heating or hot water **ON** or **OFF** without altering the programme.

When the indicator lamp is **ON,** pressing the **OVERRIDE** button switches the heating or hot water **OFF** until the next programmed **ON** time.

When the indicator lamp is **OFF,** pressing the **OVERRIDE** button switches the heating or hot water **ON** until the next programmed **OFF** time.

### EXTRA HOUR

The **EXTRA HOUR** buttons switch the heating or hot water **ON** for up to 3 extra hours without altering the programme. Pressing either button once will give one extra hour, and the words **HEATING +1 HR** or **HOT WATER +1 HR** show on the display to confirm the button has been pressed.

When the red indicator lamp is **OFF**, pressing the **EXTRA HOUR** button switches the heating or hot water **ON** for just one hour.

When the red indicator lamp is **ON**, pressing the **EXTRA HOUR** button extends the programmed **ON** period by one hour.

Further presses of the **EXTRA HOUR** buttons will increase the extra hour period by one hour for each button press, up to a maximum of 3 hours. The display will change to show the number of extra hours, for example **HEATING +3 HR** or **HOT WATER +2 HR**.

To cancel the extra hours, keep pressing the **EXTRA HOUR** button until the **HEATING + (1,2 or 3) HR** or **HOT WATER + (1,2 or 3) HR** disappears from the display.
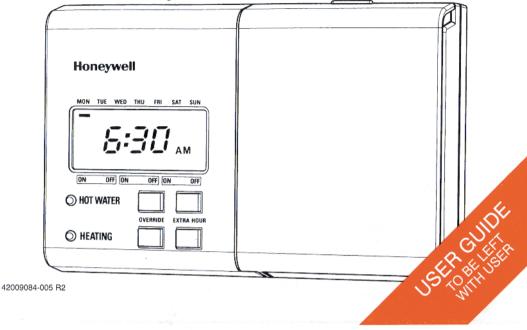
### RESET

To reset the programmer back to the original built-in programme press the **RESET** button with the tip of a pen or pencil.

### POWER FAILURE

Your programmer has a built-in battery to ensure correct operation after a main supply power cut. No action should be necessary following a power cut of up to 4 days. Longer power cuts may require you to reprogramme.

### INTRODUCTION

The ST6400C programmer controls your central heating system. It will enable you to select the times when heating and hot water are switched **ON** and **OFF**.

### FEATURES

· 7-day or weekday/weekend heating programme.
· 7-day or weekday/weekend hot water programme.
· Three **ON/OFF** switching times each day.
· Built-in programme with typical **ON/OFF** times.
· Override buttons for heating and hot water.
· Extra hour buttons for heating and hot water.
· Built-in battery to prevent loss of programme during power cuts.
· 12 hour am/pm or 24 hour clock format.

The ST6400C and other Honeywell controls in your central heating system will provide comfortable temperatures in your home when you want them

### 12 HOUR AM/PM or 24 HOUR CLOCK DISPLAY

Your programmer can operate on 12 hour am/pm or 24 hour clock formats. To change the format, ensure the setting slider is in the **RUN PROGRAMME** position then press the + and - buttons together for about 5 seconds. All the displayed times will be automatically changed to the new format.

Repeating this procedure will change the clock display back to the original format.

### 7 DAY OR WEEKDAY/WEEKEND PROGRAMMING

If installed as a Weekday/Weekend programmer, the day marker will be displayed as a block of days (MON...FRI or SAT...SUN) when setting the programme times. The DAY button will switch between the Weekday and Weekend programmes when pressed.

# SETTING YOUR PROGRAMMER

## SETTING THE CORRECT TIME AND DAY

To set the correct time and day open the flap on the front of the programmer.

### STEP 1

Move the setting slider to the **SET DAY/TIME** position. The time and day marker on the display will now be flashing to indicate they can be changed.

### STEP 2

To change the time, press the + or - buttons until the correct time is displayed.

Each press of the button will change the time by one minute. Holding the button down for more than a few seconds will change the time slowly at first, then quickly.

### STEP 3

To change the day, press the **DAY** button until the day marker is positioned under the correct day. Each press of the button moves the marker by one day.

### STEP 4

Moving the setting slider to the next position completes the setting of time and day.

## SETTING THE HOT WATER PROGRAMME

The hot water programme has three **ON/OFF** switching times for every day. Each time can be set between 3.00 am and 2.50 am (on the next day) to allow you to programme the hot water to stay on past midnight, if required.

### STEP 5

Move the setting slider to the **SET HOT WATER** position. The words **HOT WATER** will now be visible on the display and the first **ON** time will now be flashing.

### STEP 6

Use the + and - buttons to set the first **ON** time. Each press of the button will change the time by 10 minutes.

### STEP 7

Press the **NEXT ON/OFF** button once to display the first **OFF** time. Set this time using the + and - buttons.

### STEP 8

By pressing the **NEXT ON/OFF** and + or - buttons the two remaining **ON/OFF** times can be set. If you only require two **ON/OFF** times per day it is recommended you set the second **OFF** time equal to the second **ON** time.

### STEP 9

You now have a choice to set the programme for the next day:-

**Choice 1** Press the **DAY** button to step the day marker to the next day. The **ON/OFF** times for this day can then be set as described in steps 6 to 8.

or

**Choice 2** Press the **COPY** button to copy the first day's programme into the second. Several days can be set to the same programme by pressing the **COPY** button repeatedly (not required for 5/2 day programming).

### STEP 10

The hot water programme for the remaining days of the week can be set by following steps 6 to 9 (applies to 7 day programming only).

### *NOTE*

1. When pressing the + button, the next **ON** or **OFF** marker may start to flash. If this happens the next programme time will have been changed. Press the **NEXT ON/OFF** button to check and adjust this programme time if necessary.

2. When pressing the - button, the previous **ON** or **OFF** marker may start to flash. If this happens the previous programme time will have been changed. Follow the procedure in "REVIEWING PROGRAMME TIMES" to check and adjust this time if necessary.

Moving the setting slider to the next position completes setting the hot water programme.

## SETTING THE HEATING PROGRAMME

The heating programme has three **ON/OFF** switching times for every day. Each time can be set between 3.00 am and 2.50 am (on the next day) to allow you to programme the heating to stay on after midnight if required.

### STEP 11

Move the setting slider to the **SET HEATING** position. The word **HEATING** will now be visible on the display and the first **ON** time will be flashing.

### STEP 12

The required heating programme for each day of the week can now be set by following the same procedure as "SETTING THE HOT WATER PROGRAMME" in steps 6 to 10.

### STEP 13

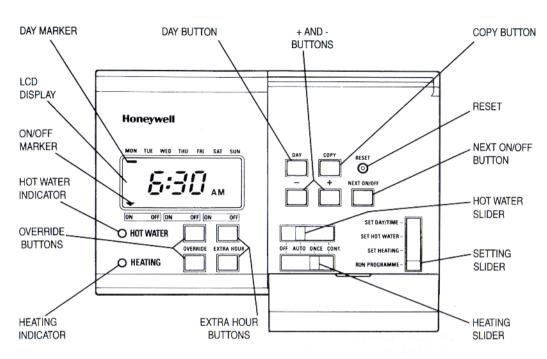Moving the setting slider to the next position completes setting the heating programme.

## REVIEWING PROGRAMME TIMES

To review your hot water programme move the setting slider to the **SET HOT WATER** position.

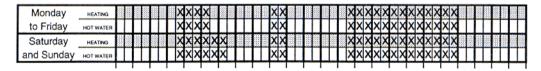To review your heating programme move the setting slider to the **SET HEATING** position.

To review the programme times for a day press the **NEXT ON/OFF** button repeatedly. Any of these times can be adjusted by using the + and - buttons.

Press the **DAY** button to review consecutive days.

**IF DISPLAY REMAINS BLANK AFTER SWITCH ON – PRESS RESET**

## BUILT-IN PROGRAMME

| | | 3.00am | 4.00am | 5.00am | 6.00am | 7.00am | 8.00am | 9.00am | 10.00am | 11.00am | 12.00am | 1.00pm | 2.00pm | 3.00pm | 4.00pm | 5.00pm | 6.00pm | 7.00pm | 8.00pm | 9.00pm | 10.00pm | 11.00pm | 12.00pm | 1.00am | 2.00am | 3.00am |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Monday to Friday | HEATING | | | | XXXX | | | | | | XX | | | | | XXXXXXXXXXXXXXX | | | | | | | | | | |
| | HOT WATER | | | | XXXX | | | | | | XX | | | | | XXXXXXXXXXXXX | | | | | | | | | | |
| Saturday and Sunday | HEATING | | | XXXXXX | | | | | | XX | | | | | XXXXXXXXXXXXXXX | | | | | | | | | | | |
| | HOT WATER | | | XXXXXX | | | | | | XX | | | | | XXXXXXXXXXXXXX | | | | | | | | | | | |

## PERSONAL PROGRAMME

| | | 3.00am | 4.00am | 5.00am | 6.00am | 7.00am | 8.00am | 9.00am | 10.00am | 11.00am | 12.00am | 1.00pm | 2.00pm | 3.00pm | 4.00pm | 5.00pm | 6.00pm | 7.00pm | 8.00pm | 9.00pm | 10.00pm | 11.00pm | 12.00pm | 1.00am | 2.00am | 3.00am |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Monday | HEATING | | | | | | | | | | | | | | | | | | | | | | | | | |
| | HOT WATER | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tuesday | HEATING | | | | | | | | | | | | | | | | | | | | | | | | | |
| | HOT WATER | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wednesday | HEATING | | | | | | | | | | | | | | | | | | | | | | | | | |
| | HOT WATER | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thursday | HEATING | | | | | | | | | | | | | | | | | | | | | | | | | |
| | HOT WATER | | | | | | | | | | | | | | | | | | | | | | | | | |
| Friday | HEATING | | | | | | | | | | | | | | | | | | | | | | | | | |
| | HOT WATER | | | | | | | | | | | | | | | | | | | | | | | | | |
| Saturday | HEATING | | | | | | | | | | | | | | | | | | | | | | | | | |
| | HOT WATER | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunday | HEATING | | | | | | | | | | | | | | | | | | | | | | | | | |
| | HOT WATER | | | | | | | | | | | | | | | | | | | | | | | | | |

Diagram labels: DAY MARKER, DAY BUTTON, + AND - BUTTONS, COPY BUTTON, LCD DISPLAY, RESET, ON/OFF MARKER, NEXT ON/OFF BUTTON, HOT WATER INDICATOR, HOT WATER SLIDER, OVERRIDE BUTTONS, SETTING SLIDER, HEATING INDICATOR, EXTRA HOUR BUTTONS, HEATING SLIDER

Honeywell — 6:30 AM — MON TUE WED THU FRI SAT SUN — ON OFF ON OFF ON OFF — HOT WATER — HEATING — OVERRIDE — EXTRA HOUR — DAY — COPY — RESET — NEXT ON/OFF — OFF AUTO ONCE CONT — SET DAY/TIME — SET HOT WATER — SET HEATING — RUN PROGRAMME