OPERATING YOUR PROGRAMMER

For normal operation the **TIME SET** selector must be in the **AUTO** position.

Red indicator lamps show when the Heating or Hot Water is switched **ON**.

The two lower selectors are used to control your Heating and Hot Water as follows:

HEATING SELECTOR

OFF The heating will remain **OFF** permanently.

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

TWICE The heating will be switched **ON** and **OFF** automatically at the programme times.

ONCE The heating will be switched **ON** automatically after the first programme **ON** time and **OFF** at the last **OFF** time. The first **OFF** and second **ON** times will be ignored.

HOT WATER SELECTOR

The **HOT WATER** selector operates in the same manner as described above for the Heating.

CHANGE

The two **CHANGE** buttons switch the output **ON** or **OFF** (without altering the programme) when the **TIME SET** selector is in the **AUTO** position and the **HEATING** and/or **HOT WATER** selectors are set to **ONCE** or **TWICE**.

When the indicator lamp is **ON**, pressing the **CHANGE** button switches the output **OFF** until the next programme **ON** time.

When the indicator lamp is **OFF,** pressing the **CHANGE** button switches the output **ON** until the next programme **OFF** time.

POWER FAILURE

This unit has a built-in battery to ensure correct operation after a mains power cut. No action should be necessary following a power cut of up to 7 days. Longer power cuts may require you to reprogramme the unit.

DISPOSAL CAUTION

This product contains a lithium rechargeable battery. Please observe the following safety precautions on disposal:

● Do not dispose of in fire or water.
● Do not attempt to replace the battery.
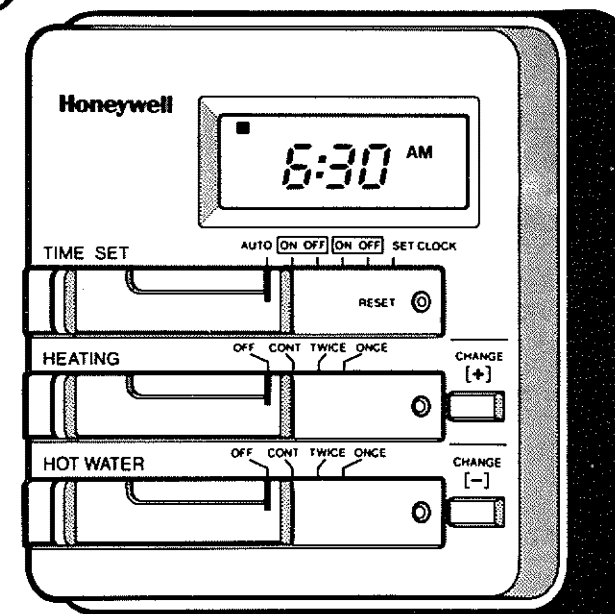● Do not tamper with the battery.

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ST699 Programmer

42008495-001 R4

USER GUIDE
TO BE LEFT
WITH USER

INTRODUCTION

The ST699 electronic programmer is used to control the **ON/OFF** timing of your heating and hot water system. The system may also incorporate a room temperature thermostat and a hot water cylinder thermostat to switch the heating appliance **ON** and **OFF** to maintain the correct temperatures.

ST699 INCORPORATES THE FOLLOWING FEATURES:

● 24-hour programme
● Independent Heating and Hot Water control
● Choice of two **ON/OFF** programme times per day **(TWICE)** or one programme time per day **(ONCE)**
● Built-in programme
● Temporary **ON/OFF** override **(CHANGE)**
● Continuous **ON** or **OFF** control **(CONT.** or **OFF)**
● **RESET** button

SETTING THE PROGRAMME TIMES

The unit has two **ON/OFF** programme times per day to control your Heating and Hot Water system. To help you set your personal programme quickly, a built-in programme has been incorporated with commonly used programme times. This programme is selected automatically when the unit is first connected to the mains power or when the **RESET** button is pressed.

Each programme time can be set between 3.00am and 2.50am (on the next day) to allow you to programme past midnight, if required.

1 Move the **TIME SET** selector to the first **ON** position (second from left). The first **ON** time will now be flashing in the display to indicate it can be changed.

2 Press the ⊞ or ⊟ buttons to set the first **ON** time.

Each press of the button will change the time by 10 minutes. Holding the button down for more than a few seconds will change the time quickly. The display will stop flashing to indicate the time has been set.

3 Move the **TIME SET** selector to the first **OFF** position. Set the first **OFF** time using the ⊞ or ⊟ buttons.

4 Move the **TIME SET** selector to the second **ON** position. Set the second **ON** time using the ⊞ and ⊟ buttons.

5 Move the **TIME SET** selector to the second **OFF** position. Set the second **OFF** time using the ⊞ and ⊟ buttons.

6 Move the **TIME SET** selector to the **AUTO** position to complete setting the programme times.

REVIEWING AND CHANGING PROGRAMME TIMES

1 To review/change the **ON/OFF** programme times move the **TIME SET** selector to each of the **ON/OFF** positions in turn. Any time can be adjusted by using the ⊞ or ⊟ buttons.

2 Move the **TIME SET** selector to the **AUTO** position to complete reviewing/changing the programme times.

SETTING THE CORRECT TIME

1 Move the **TIME SET** selector to the **SET CLOCK** position. The display will now be flashing to indicate it can be changed.

2 Press the ⊞ or ⊟ button to set the correct time of day.

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 quickly. The display will stop flashing to indicate the time has been set.

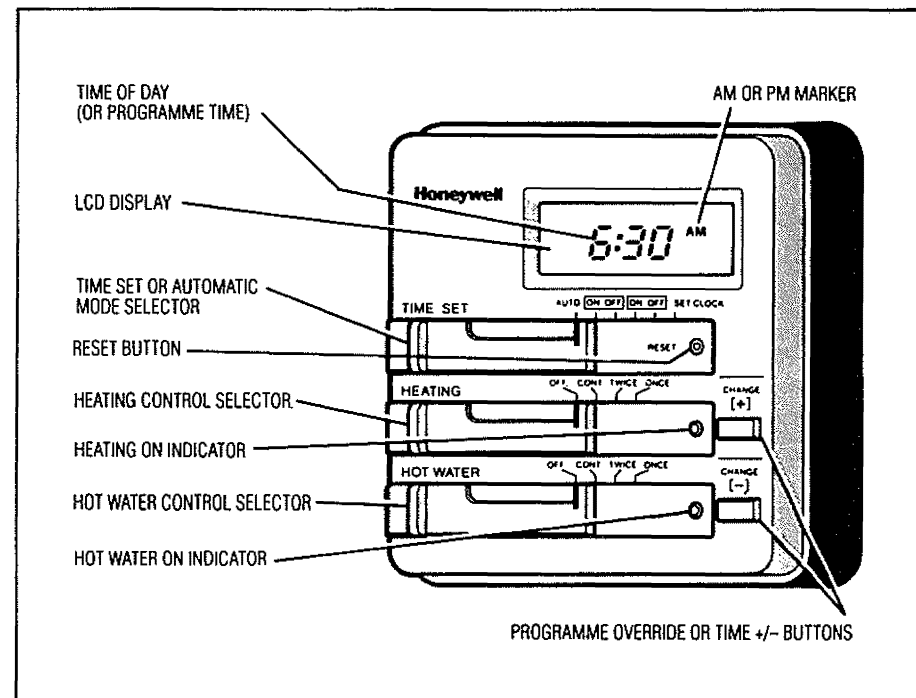3 Move the **TIME SET** selector to the **AUTO** position to complete setting the time of day.

NOTES

(i) On 12 hour clock versions ensure the **AM** or **PM** marker is correct. If not, adjust the time by a further 12 hours.

(ii) Programme times cannot be set out of sequence. If the ⊟ button is being pressed, the time will stop changing when it equals a previous programme time. If the ⊞ button is being pressed,

subsequent programme times will be pushed forward along with the one being set.

(iii) If the **TIME SET** selector is accidentally left in an **ON/OFF** or **SET CLOCK** position for a period of 10 minutes, the unit will start to operate as if it had been left in **AUTO**. The display will flash when this occurs to remind you to move the selector to the correct position.

TIME OF DAY (OR PROGRAMME TIME)

AM OR PM MARKER

LCD DISPLAY

TIME SET OR AUTOMATIC MODE SELECTOR

RESET BUTTON

HEATING CONTROL SELECTOR

HEATING ON INDICATOR

HOT WATER CONTROL SELECTOR

HOT WATER ON INDICATOR

PROGRAMME OVERRIDE OR TIME +/− BUTTONS

IF THE DISPLAY REMAINS BLANK AFTER CONNECTING THE POWER OR IF YOU WANT TO RESET THE UNIT BACK TO THE ORIGINAL BUILT-IN PROGRAMME, PRESS THE RESET BUTTON WITH THE TIP OF A PEN OR PENCIL

PROGRAMME TIME	BUILT-IN PROGRAMME	YOUR PERSONAL PROGRAMME
Time 1	6.30am	
Time 2	8.30am	
Time 3	4.30pm (16.30)	
Time 4	10.30pm (22.30)	

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