

## OPERATING YOUR PROGRAMMER

For normal operation the **AUTO/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 **AUTO/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.

Honeywell Control Systems Limited

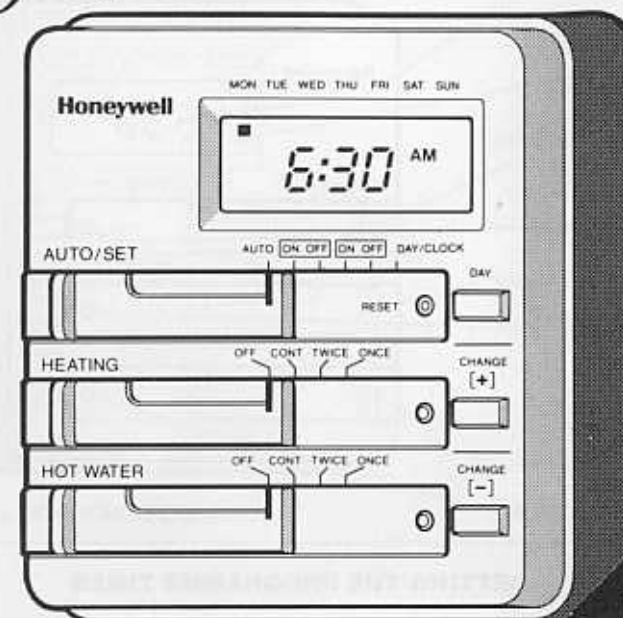
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# Honeywell

*Helping You Control Your World*

## ST799 Programmer



12008495-002 R2

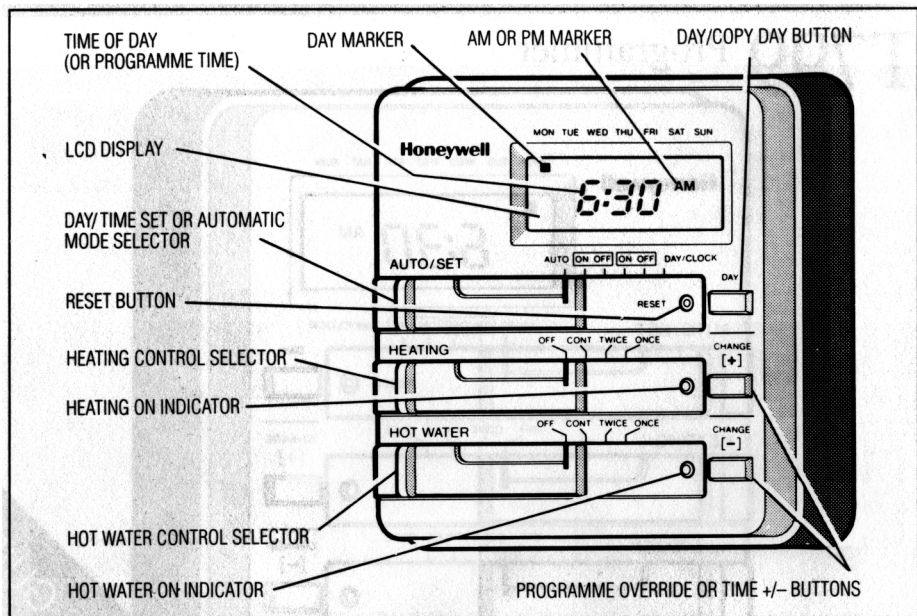
**USER GUIDE**  
TO BE LEFT  
WITH USER

## INTRODUCTION

The ST799 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.

### ST799 INCORPORATES THE FOLLOWING FEATURES:

- 7-day programme (or weekday-weekend)
- Independent Heating and Hot Water control
- Choice of two **ON/OFF** programme times per day (**TWICE**) or one programme time per day (**ONCE**)
- Programme times can be copied from day to day (**DAY**)
- 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 for each day of the week to provide flexible time control for 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 **AUTO/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 Use the **DAY** button to select the day to be programmed.
- 3 Press the  $\boxplus$  or  $\boxminus$  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.*

- 4 Move the **AUTO/SET** selector to the first **OFF** position. Set the first **OFF** time using the  $\boxplus$  or  $\boxminus$  buttons.

- 5 Move the **AUTO/SET** selector to the second **ON** position. Set the second **ON** time using the  $\boxplus$  and  $\boxminus$  buttons.
- 6 Move the **AUTO/SET** selector to the second **OFF** position. Set the second **OFF** time using the  $\boxplus$  and  $\boxminus$  buttons.
- 7 You now have two choices how to set the programme for the next day:-

#### Choice 1

**STEP DAY.** Press the **DAY** button to step the day marker to the next day. The **ON/OFF** times can now be set by following steps 1 to 5 above. Repeat this process until every day of the week has been set.

#### Choice 2

**STEP DAY & COPY.** Press and hold down the **DAY** button for at least three seconds. The day marker for the next day will appear and, at the same time, the current day marker will start to flash to indicate the copy function is in progress. Repeat this process to copy the current day's programme into several days of the week if required.

- 8 Move the **AUTO/SET** selector to the **AUTO** position to complete setting the programme times.

### REVIEWING AND CHANGING PROGRAMME TIMES

To review/change the **ON/OFF** programme times move the **AUTO/SET** selector to each of the **ON/OFF** positions in turn. Press the **DAY** button to select different days. Any time can be adjusted by using the  $\boxplus$  or  $\boxminus$  buttons.

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

### SETTING THE CORRECT DAY & TIME

- 1 Move the **AUTO/SET** selector to the **DAY/CLOCK** position. The display will now be flashing to indicate it can be changed.
- 2 Press the **DAY** button to select the correct day.
- 3 Press the  $\boxplus$  or  $\boxminus$  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.*

- 4 Move the **AUTO/SET** selector to the **AUTO** position to complete setting the day and time.

#### \*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  $\boxminus$  button is being pressed, the time will stop changing when it equals a previous programme time. If the  $\boxplus$  button is being pressed, subsequent programme times will be pushed forward along with the one being set.
- (iii) If the **AUTO/SET** selector is accidentally left in an **ON/OFF** or **DAY/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.
- (iv) 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.

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

TIME	BUILT-IN TIMES	YOUR PERSONAL PROGRAMME						
		MON	TUE	WED	THU	FRI	SAT	SUN
Time 1	6.30am							
Time 2	8.30am							
Time 3	4.30pm							
Time 4	10.30pm							

← WEEKDAY PROGRAMME → ← WEEKEND PROGRAMME →