10 | Diagnosing possible operational problems

SYMPTOM	REMEDY
No clock display	1.Check mains supply switch to programmer is ON 2.Check mains supply fuses to programmer are OK
Buttons will not function	EXT and ADV buttons will not work if the HW or CH slider is in OFF or ON mode, or the slider under the door is not set to RUN.
Heating and Hot Water will not work	1. Check remedy points under 'No clock display' above. 2. Check programmer output is ON (i.e. is the indicator lit). 3. Check that external Thermostats are turned up.
Incorrect time displayed	See 'How to Set the Programmer' overleaf.
If normal operation cannot be achieved by the above remedies	RESET Programmer by pressing RESET button (time of day will need to be set). If symptoms persist contact the Technical Support.

You can rely on **POTTERTON**

Customer's Guide
EP2 Programmer

ON

Please keep these instructions in a safe place. If you move house, please hand them over to the next occupier.

1 | The Programmer and Your System

You have an EP2 Programmer, with which you can set your HOT Water and CENTRAL HEATING to come ON for two or three time periods per day, with different ON/OFF times for HOT WATER and CENTRAL HEATING for each day if required.

2 | The Programmer Built-In ON/OFF Times

The programmer already has built-in ON/OFF periods.

If the programmer has been set to have 2 ON/OFFs then they are:-

	Weekday	Weekend	Daily
1st ON	6:30 AM	6:30 AM	6:30 AM
1st OFF	9:30 AM	9:30 AM	9:30 AM
2nd ON	4:30 PM	4:30 PM	4:30 PM
2nd OFF	10:30 PM	10:30 PM	10:30 PM

If the programmer has been set to have 3 ON/OFFs then they are:-

	Weekday	Weekend	Daily
1st ON	6:30 AM	6:30 AM	6:30 AM
1st OFF	9:30 AM	9:30 AM	9:30 AM
2nd ON	12:00 PM	12:00 PM	12:00 PM
2nd OFF	12:05 PM	12:05 PM	12:05 PM
3rd ON	4:30 PM	4:30 PM	4:30 PM
3rd OFF	10:30 PM	10:30 PM	10:30 PM

These times can be used, by setting the correct time and day as described in section 3.2 overleaf.

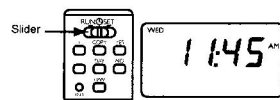To set up your own ON/OFF times, refer to section 3.3 overleaf

Programming Door

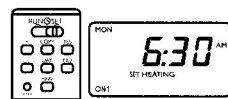**3.1** Open programming door on top left corner from bottom edge.

3.2 TO SET THE CLOCK & DAY
Move slider to clock
Adjust displayed time by using - & + buttons
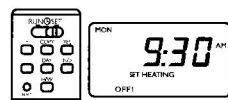Adjust day by pressing DAY button

Slider

3.3 SETTING THE CENTRAL HEATING ON/OFF TIMES
Move slider to SET
Press H/W to select Central heating times
Adjust ON1 time using - & + buttons

3.4 Press YES to adjust next ON/OFF or NO for previous
Repeat for all ON/OFFs
Press DAY to go to next day
Repeat these steps for the rest of the week

3.5 COPYING THE CENTRAL HEATING ON/OFF TIMES
Press the DAY button to select the day you want to copy
Press COPY to copy the ON/OFF times to the next day
Repeat as required

3.6 SETTING THE HOT WATER ON/OFF TIMES
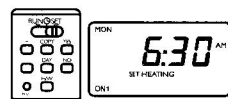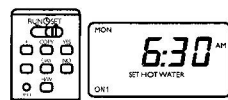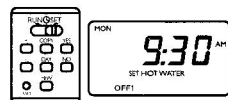Press H/W to select hot water times
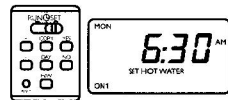Adjust ON1 time using - & + buttons

3.7 Press YES to adjust next ON/OFF or NO for previous
Repeat for all ON/OFFs
Press DAY to go to next day
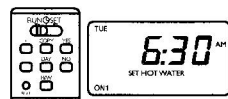Repeat these steps for the rest of the week

3.8 COPYING THE HOT WATER ON/OFF TIMES
Press the DAY button to select the day you want to copy
Press COPY to copy the ON/OFF times to the next day
Repeat as required

3.9 Example of ON/OFF times copied to next day

3.10 When complete move slider to RUN and CLOSE DOOR

The HW and CH sliders are located under the flap in the middle of the programmer. During Normal Operation, by moving these sliders you can select how you wish your system to work:

OFF   Ignores the time periods set in memory
TIMED   Allows the CH or HW to run to the times you have set in the programme memory
ONCE   Allows your CH or HW to run once a day, from the first ON time to the last OFF time
ON   Will turn the CH or HW on continuously 24 hours a day

The channel indicators to the right of the HW/CH sliders will illuminate when the relevant channel is ON and extinguish when the channel is OFF.

The ADV buttons allow you to go forward to the next ON or OFF time, when the sliders are in TIMED or ONCE position. The button on the HW channel advances HW, and the CH button advances CH. The status of either channel is shown by the status indicators to the right of the sliders.

To advance the programme, simply press the relevant ADV button and the CH or HW will go OFF (IF ON) or ON (IF OFF); press again to return to original status.

The EXT buttons allow you to extend a current ON period or switch your HW or CH on, during an OFF period, for 1, 2 or 3 hours. If you press the button a fourth time, the programmer will run at the original ON/OFF times.

NOTE: Using either the EXT or ADV buttons will not affect the ON/OFF times set in the programmers memory, the change is only temporary.

It does take time for the boiler to produce the desired heating and hot water temperatures, so set the programmer switch ON, for example, half an hour earlier.

Other controls in your system (such as room, boiler and cylinder thermostats) may affect the switching of your boiler. So although the indicator shows that the central heating is ON, the boiler itself could be OFF. (Ask your installer to explain how they work).

If the electricity fails or is switched off, the display will go blank and the programmer will maintain the set times and the clock for 24 hours. After that time, you may have to reset the clock and ON/OFF times.

NOTE: During the time that the electricity is off, any electrical items e.g. Boiler, pumps etc, will not operate.

Warning: DISCONNECT THE MAINS SUPPLY BEFORE THE PROGRAMMER IS REMOVED

Ensure ALL supplies to the programmer are fused to 3 Amps. Internal damage can occur if not correctly protected (5 AMP & 13 Amp fuses are NOT suitable).