Customer's Guide

for the EP2000/(EP2002)/EP3002

25/01/12
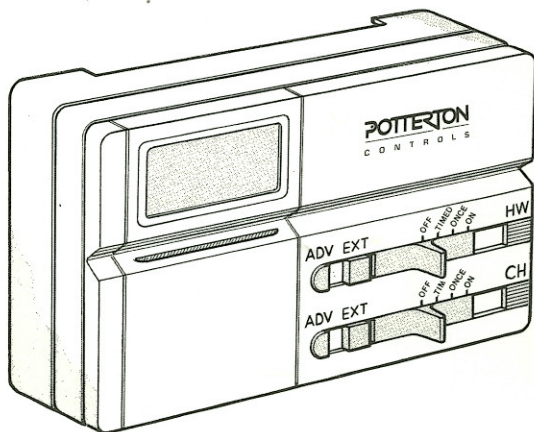
BOILER THERMOSTAT
1   55°C MIN   130°F } SUMMER
2   60°C   140°F } TEMP. SETTING
3   65°C   150°F] WINTER TEMP.
4   70°C   160°F } SETTING
5   82°C   180°F }

POTTERTON
C O N T R O L S

1 | The programmer and your system

If you have an EP2000 Programmer, then you can set the HOT WATER and CENTRAL HEATING to come ON together for two time periods a day.

If you have an EP2002 Programmer, then you can set the HOT WATER and CENTRAL HEATING to come ON together for two time periods a day, from MONDAY to FRIDAY, with different ON/OFF times for SATURDAY & SUNDAY, if required.

If you have an EP3002 Programmer, then you can set the HOT WATER and CENTRAL HEATING to come ON together for two time periods a day, with different ON/OFF times for each day, if required.

2 | Setting the programmer for built-in ON/OFF times

The programmer already has built-in ON/OFF time periods, which are:

MODEL	ON1	OFF1	ON2	OFF2	
■ EP2000	6.30am	9.30am	4.30pm	10.30pm	
■ EP2002	6.30am	9.30am	4.30pm	10.30pm	(MON-FRI) (SAT-SUN)
■ EP3002	6.30am	9.30am	4.30pm	10.30pm	(MON-SUN)

These times can be used, by setting the correct time and day, as described for the 3 models in section 1.2, 2.2 or 3.2 overleaf.

To set up your own ON/OFF times for your model, refer to section 1.3, 2.3 or 3.3 overleaf.

If you wish to return to the built in time periods, after changes have been made to them, simply:

Ensure the slider is in RUN position. Press & hold down the + button. While holding down the + button, press and hold the STEP button. After 5 seconds or so, release the two buttons.
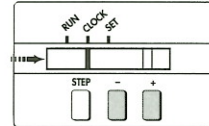
The built-in times are now reinstated.

Model: EP2000

1.1 OPEN DOOR from top edge
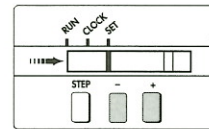
1.2 **TO SET THE CLOCK**
Move slider to CLOCK
Adjust displayed time, using – & + buttons

12:03 AM

1.3 **SETTING THE ON/OFF TIMES**
Move slider to SET
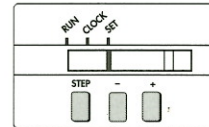Adjust ON1 time, using – & + buttons

6:30 AM
SET
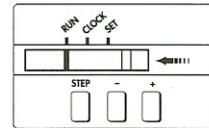ON1 OFF1 ON2 OFF2

1.4 Press STEP button
Adjust OFF1 time, using – & + buttons
Repeat for ON2 & OFF2

9:30 AM
SET
ON1 OFF1 ON2 OFF2

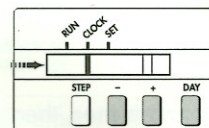**1.5** When complete, move slider to RUN
CLOSE DOOR

12:00 AM

Model: EP2002

2.1 OPEN DOOR from top edge

MON – FRI
ON1 07.00
OFF1 09.30
ON2 04.30
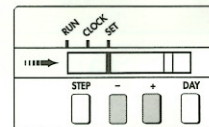OFF2 11.00

SAT/SUN.

2.2 **TO SET THE CLOCK & DAY**
Move slider to CLOCK
Adjust displayed time, using – & + buttons
Adjust day, by pressing DAY button

TUE
12:03 AM

2.3 **SETTING THE ON/OFF TIMES (MON to FRI)**
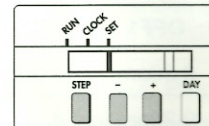Move slider to SET
Adjust ON1 time, using – & + buttons

MON TUE WED THU FRI
6:30 AM
SET
ON1 OFF1 ON2 OFF2

2.4 Press STEP button
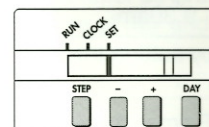Adjust OFF1 time, using – & + buttons
Repeat for ON2 & OFF2

MON TUE WED THU FRI
9:30 AM
SET
ON1 OFF1 ON2 OFF2

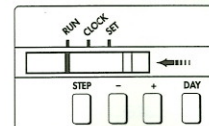**2.5** **SETTING THE ON/OFF TIMES (SAT & SUN)**
Press DAY button
Repeat above steps to set up SAT & SUN
ON 1, OFF 1, ON 2, OFF 2.

SAT SUN
12:00 AM
SET
ON1 OFF1 ON2 OFF2

2.6 When complete, move slider to RUN
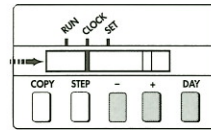CLOSE DOOR

MON
12:00 AM

Model: EP3002

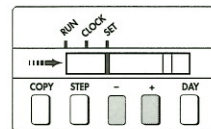**3.1**   OPEN DOOR from top edge

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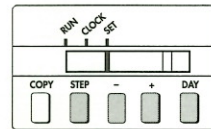Adjust day, by pressing DAY button

3.3   **SETTING THE ON/OFF TIMES (MON to SUN)**
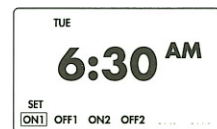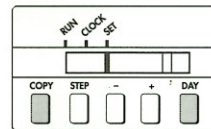Move slider to SET
Adjust ON1 time, using – & + buttons

3.4   Press STEP button
Adjust OFF1 time, using – & + buttons
Repeat for ON2 & OFF2
Press DAY button, to go to next day. Repeat above
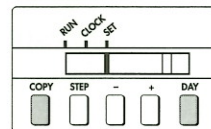steps to set up the remaining days
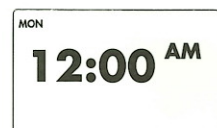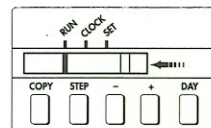
3.5   **COPYING ON/OFF TIMES, TO NEXT DAY**
Press DAY button, to select day you want to copy
Press COPY, to copy ON/OFF times, to next day
Repeat as required

3.6   Example of ON/OFF times copied to next day

3.7   When complete, move slider to RUN and
CLOSE DOOR

4 | Using the HW and CH sliders

During Normal Operation, by moving these sliders you can select how you wish your system to work:

OFF   Ignores the ON/OFF time periods set in memory
TIMED   Allows the CH or HW to run to the ON/OFF times you have set in the programmer's 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 HW & CH sliders have a mechanical interlock to protect simple heating systems which can only heat the radiators when the HOT WATER is on. If yours is a simple system, the interlock will automatically cut the programming facilities that your system cannot cope with. This means the HOT WATER is automatically turned ON, when CENTRAL HEATING is on.

5 | Using the ADVANCE buttons

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 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.

6. Using the EXTEND buttons

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 return to the original set times.

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

When the interlock is set for simple heating systems, pressing the EXT or ADV buttons on CH will also extend or advance the HW.

7. Operation notes

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

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).

8. Programmer memory backup

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 12 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.

9. Guide to operational problems

Warning: **DISCONNECT THE MAINS SUPPLY BEFORE THE PROGRAMMER IS REMOVED**

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

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 are 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'. 2. Check programmer output is ON (ie indicator is lit). 3. Check that the external Thermostats are turned up.
Heating not working, but HOT WATER is working	Check the 10/16 interlock setting. (For simple systems) See Installer's Guide instruction.
Incorrect time displayed	See "How to Set Your Programmer" overleaf.
If normal operation cannot be achieved by the above remedies	RESET Programmer by pressing + & - buttons at the same time (time of day and ON/OFF times may need to be set). If symptoms persist contact the Technical Helpline