

Drayton LP522 (Mk4)

Drayton LP522 (Mk4) 2 Channel Programmer User Manual

Model: LP522 (Mk4) | Part Number: 25475

1. INTRODUCTION

The Drayton LP522 (Mk4) is a sophisticated 2-channel programmer designed to provide precise control over your domestic heating and hot water systems. This unit features an easy-to-read backlit LCD screen and intuitive controls, allowing you to manage your energy consumption efficiently. It offers flexible programming options, including automatic summer/winter time changes, boost functions, and advance settings for both heating and hot water.

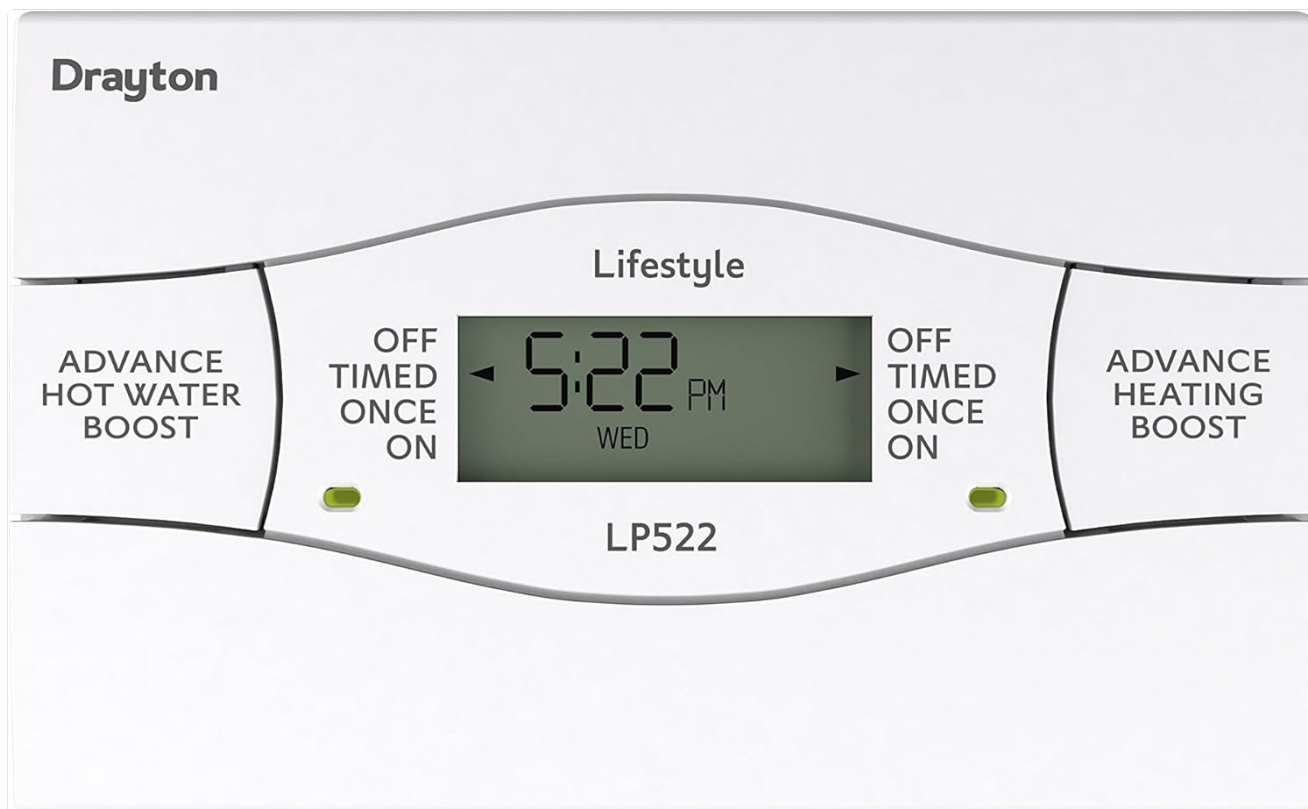


Figure 1: Front view of the Drayton LP522 (Mk4) Programmer, highlighting the LCD display and control buttons.

2. INSTALLATION AND INITIAL SETUP

2.1 Safety Precautions

Before commencing any installation work, ensure the mains electricity supply to the heating system is completely isolated at the consumer unit or fuse box. Installation should only be carried out by a competent person and in accordance with the latest IEE Wiring Regulations.

- Always disconnect the power supply before installation or maintenance.
- Do not expose the unit to moisture or extreme temperatures.
- Ensure all wiring connections are secure and correct.

2.2 Mounting

The LP522 (Mk4) is designed for direct replacement of many existing programmers, often utilizing the same industry-standard backplate. If replacing an older unit, carefully remove the old programmer by loosening the retaining screws at the bottom and lifting it off the backplate. The new LP522 (Mk4) can then be positioned onto the existing backplate and secured by tightening the screws.

If a new backplate installation is required, mount the supplied backplate securely to a flat wall surface, ensuring it is level. Refer to the wiring diagram provided with the physical product for terminal connections.

2.3 Wiring

Wiring should be performed by a qualified electrician. The LP522 (Mk4) operates on 230 Volts AC. Ensure correct connections for Live, Neutral, Heating On, and Hot Water On terminals as per the product's wiring diagram. Incorrect wiring can cause damage to the unit or the heating system.

2.4 Initial Power-On

Once installation is complete and verified, restore the mains electricity supply. The programmer's LCD screen will illuminate, and the internal clock will automatically set the correct time and date, including adjustments for summer/winter time changes. No manual time setting is typically required upon initial power-on.

3. OPERATING INSTRUCTIONS

3.1 Understanding the Display

The backlit LCD screen displays the current time, day of the week, and the operational status of both heating and hot water channels. Indicators will show if a channel is currently ON, OFF, or in a timed/boost mode.

3.2 Setting Time and Date

The LP522 (Mk4) features an automatic time and date setting function, including automatic adjustment for daylight saving (summer/winter time). Manual adjustment is rarely needed but can be performed by following the specific instructions in the full product manual for advanced settings.

3.3 Programming Heating and Hot Water

The programmer offers "On/Once/Timed/Off" switching options for both heating and hot water channels. You can set up to three ON/OFF periods per day for each channel, allowing for flexible scheduling.

1. Press the 'PROG' button to enter programming mode.
2. Use the 'ADVANCE' or 'BOOST' buttons (often doubling as navigation arrows) to select the desired channel (Heating or Hot Water).

3. Adjust the ON/OFF times for each period using the '+' and '-' buttons.
4. Repeat for all desired days of the week.
5. Press 'PROG' again or 'RUN' to exit programming mode and save settings.

3.4 Using Boost Function

The Boost function provides a temporary override to turn on heating or hot water for a set duration (1, 2, or 3 hours) outside of the programmed schedule. This is useful for short-term demands.

- Press the 'BOOST' button for the respective channel (Hot Water or Heating).
- Each press typically cycles through 1, 2, 3 hours, then OFF.
- The LCD will indicate the remaining boost time.

3.5 Advance Function

The Advance function allows you to bring forward the next programmed ON or OFF period. For example, if heating is currently OFF but programmed to come ON later, pressing 'ADVANCE' will turn it ON immediately until the next programmed OFF time.

- Press the 'ADVANCE' button for the respective channel (Hot Water or Heating).
- The status of the channel will change to the next programmed state.
- The LCD will indicate the change.

4. MAINTENANCE

The Drayton LP522 (Mk4) programmer requires minimal maintenance. Keep the unit clean by wiping it with a soft, dry cloth. Do not use abrasive cleaners or solvents. There are no user-serviceable parts inside the unit. Any internal issues should be addressed by a qualified technician.

5. TROUBLESHOOTING

Problem	Possible Cause	Solution
No display on screen.	No power supply to the unit.	Check mains power supply to the heating system. Ensure circuit breaker is ON. Verify wiring connections.
Heating/Hot water not coming on as programmed.	Incorrect program settings; System override (e.g., thermostat set too low); Boiler fault.	Review program settings for correct ON/OFF times. Check thermostat setting. Consult boiler manual or a heating engineer if boiler is not firing.
Time/Date incorrect.	Power interruption; Internal battery issue (rare).	The unit should auto-correct after power restoration. If persistent, consult a qualified technician.

If the problem persists after attempting these solutions, please contact a qualified heating engineer or Drayton customer support.

6. TECHNICAL SPECIFICATIONS

- Manufacturer:** Drayton
- Model Number:** 123070 (LP522 Mk4)
- Part Number:** 25475
- Product Dimensions:** 15 x 9 x 3 cm
- Item Weight:** 281 g
- Colour:** White
- Power Source:** Corded Electric
- Voltage:** 230 Volts
- Display Style:** LCD (Backlit)
- Special Features:** Automatic Summer/Winter Time Change, Boost Function, Advance Function
- Usage:** Heating and Hot Water Control
- Batteries Required:** No (internal battery for time backup)


7. WARRANTY AND CUSTOMER SUPPORT






Drayton products are manufactured to high standards and are typically covered by a manufacturer's warranty against defects in materials or workmanship. Please refer to the warranty card included with your product or visit the official Drayton website for specific warranty terms and conditions.

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact Drayton customer support directly. Contact details can usually be found on the manufacturer's website or product packaging.

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Related Documents - LP522 (Mk4)

	<p>Drayton Lifestyle Programmable Thermostats: Installation & User Guide</p> <p>Comprehensive guide to installing and using Drayton Lifestyle LP111, LP711, LP112, LP241, LP522, and LP722 heating programmers and timeswitches. Includes setup, wiring, and operational instructions.</p>
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	<p>Drayton Lifestyle Dual Channel Programmer: Installation and User Guide</p> <p>Comprehensive installation and user guide for the Drayton Lifestyle Dual Channel Programmer (LP822). Learn how to install, program, and set up your heating and hot water controller.</p>
	<p>Drayton Lifestyle Programmings and Timeswitches: User & Installation Guide</p> <p>Comprehensive user and installation guide for Drayton Lifestyle LP111, LP711, LP112, LP241, LP522, and LP722 series programmers and timeswitches. Learn how to install, set times, and operate your heating and hot water controls.</p>
	<p>Drayton LP20RF & DIGISTAT+RF Installation and User Guide</p> <p>Comprehensive installation and user guide for the Drayton LP20RF and DIGISTAT+RF radio frequency controlled room thermostat and dual channel programmer. Learn about setup, features, and operation for optimal home heating control.</p>
	<p>Drayton Lifestyle LP811 Single Channel Timeswitch: Installation and User Guide</p> <p>Comprehensive installation and user instructions for the Drayton Lifestyle LP811 Single Channel Timeswitch, covering setup, programming, and operation for heating and hot water systems.</p>
	<p>How to Programme Your Drayton Tempus One Time Programmer</p> <p>A user-friendly guide to programming the Drayton Tempus One heating programmer, detailing steps for setting the clock, programming ON/OFF times, selecting modes, and using override functions.</p>