

LUX P111

Lux Pro Non-Programmable Thermostat Model P111 Instruction Manual

Your guide to simple and efficient home climate control.

PRODUCT OVERVIEW

The Lux Pro Model P111 is a non-programmable thermostat designed for straightforward and reliable temperature control in your home. It offers essential features for managing your heating and cooling systems with ease.

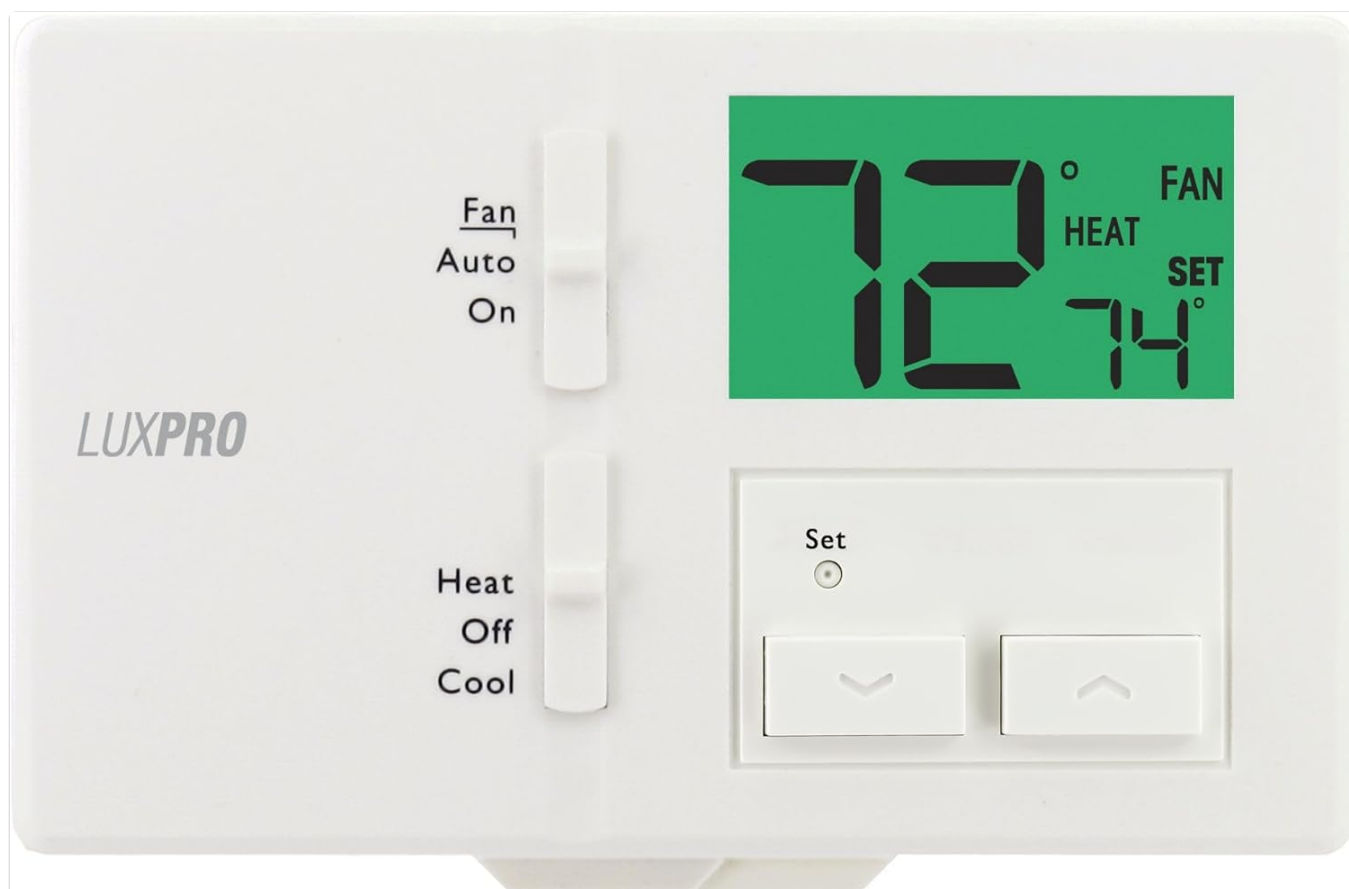


Figure 1: Lux Pro P111 Non-Programmable Thermostat. This image displays the front view of the thermostat, showing its LCD screen, fan and system mode switches, and temperature adjustment buttons.

- **Easy Installation:** Designed for simple setup with clear instructions.
- **Non-Programmable Operation:** Provides direct temperature control without complex scheduling.

- **Dual Power:** Operates on 2 AA alkaline batteries (included) or 24-volt system power.
- **Backlit Display:** Features an easy-view backlight for clear temperature readings.
- **Equipment Protection:** Includes a selectable 5- or 2-minute time delay to safeguard your HVAC equipment.
- **Adjustable Limits:** Allows setting of heating and cooling temperature limits.
- **Temperature Display Options:** Switch between Fahrenheit (°F) or Celsius (°C) display.

Affordable, non-programmable thermostat with easy-view backlight

This reliable and easy to install non-programmable thermostat has adjustable heating and cooling limits and is dual powered with batteries included. Keypad lock to prevent unauthorized use.




Figure 2: Key Features of Lux Pro P111 Thermostat. This graphic highlights features such as Keyboard Lockout, Adjustable Heating and Cooling Limits, Back-Lit Display, Dual Power, and a 5-Year Limited Warranty.

SYSTEM COMPATIBILITY

The Lux Pro P111 thermostat is designed for compatibility with various HVAC systems. Please review the following compatibility chart to ensure it meets your system requirements.

System Compatability

HEAT (24V) COMPATIBLE

- ✓ Gas/ Oil/ Electric Furnace - Heating only
- ✓ Gas/ Oil/ Electric Furnace - Single Stage
- ✓ Heat Pump w/o Auxiliary Heat
- ✓ 2-wire Hydronic (Hot Water)
- ✓ 750 Milivolt
- ✓ Gas Fireplaces (24V)

COOL (24V) COMPATIBLE

- ✓ Cooling only
- ✓ Single stage cooling

NOT COMPATIBLE WITH:

- X Heat Pump Multistage
- X Radiant Ceiling Heat
- X Electric Baseboards
- X Heat Pump w/ Auxliliary Heat
- X Portable space heaters
- X 3-wire Hydronic (Hot Water)
- X Gas/ Oil/ Electric Furnace - Multistage
- X Cool Multistage
- X Plug-in air conditioners

Figure 3: System Compatibility Chart. This chart details which heating and cooling systems are compatible (e.g., Gas/Oil/Electric Furnace, Heat Pump without Auxiliary Heat, 2-wire Hydronic, 750 Millivolt, Gas Fireplaces, Single Stage Cooling) and which are not (e.g., Heat Pump Multistage, Radiant Ceiling Heat, Electric Baseboards, 3-wire Hydronic, Multistage systems, Portable space heaters, Plug-in air conditioners).

SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance of your thermostat. If you are unsure about any steps, it is recommended to consult a qualified HVAC technician.

1. Power Requirements

The P111 thermostat can be powered by two (2) AA alkaline batteries or by a 24-volt system. Batteries are included for convenience and reliable operation.

2. Wiring Diagrams

Refer to the following diagrams for common wiring configurations. Ensure power to your HVAC system is turned off at the circuit breaker before beginning any wiring.

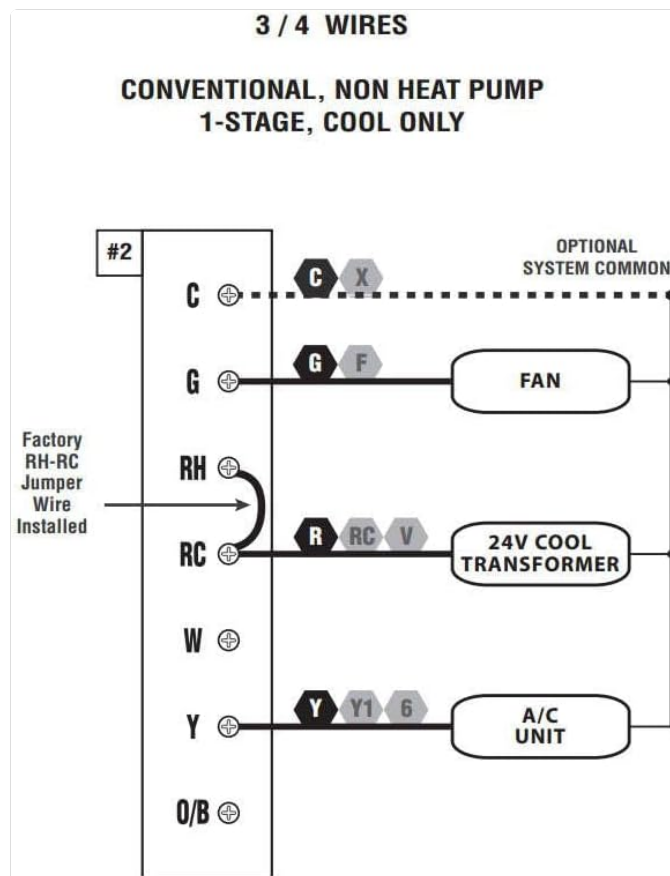


Figure 4: Wiring Diagram for 3/4 Wires. This diagram illustrates the wiring for a conventional, non-heat pump, 1-stage, cool-only system, showing connections for C (optional system common), G (FAN), RH (24V COOL TRANSFORMER), RC (24V COOL TRANSFORMER), and Y (A/C UNIT). A factory RH-RC jumper wire is installed.

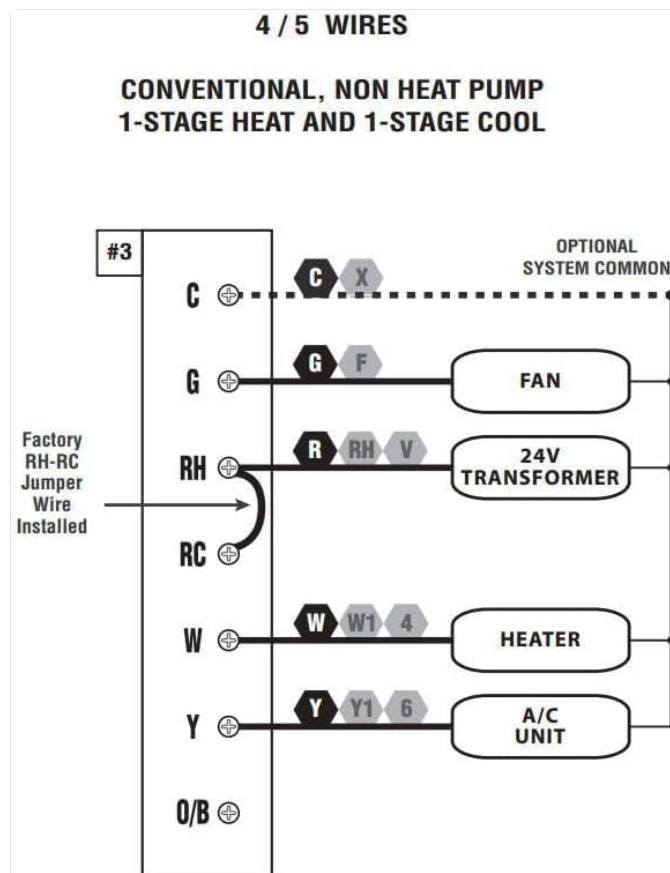


Figure 5: Wiring Diagram for 4/5 Wires. This diagram shows the wiring for a conventional, non-heat pump, 1-stage heat and 1-stage cool system, with connections for C (optional system common), G (FAN), RH (24V TRANSFORMER), RC (24V TRANSFORMER), W (HEATER), and Y (A/C UNIT). A factory RH-RC jumper wire is installed.

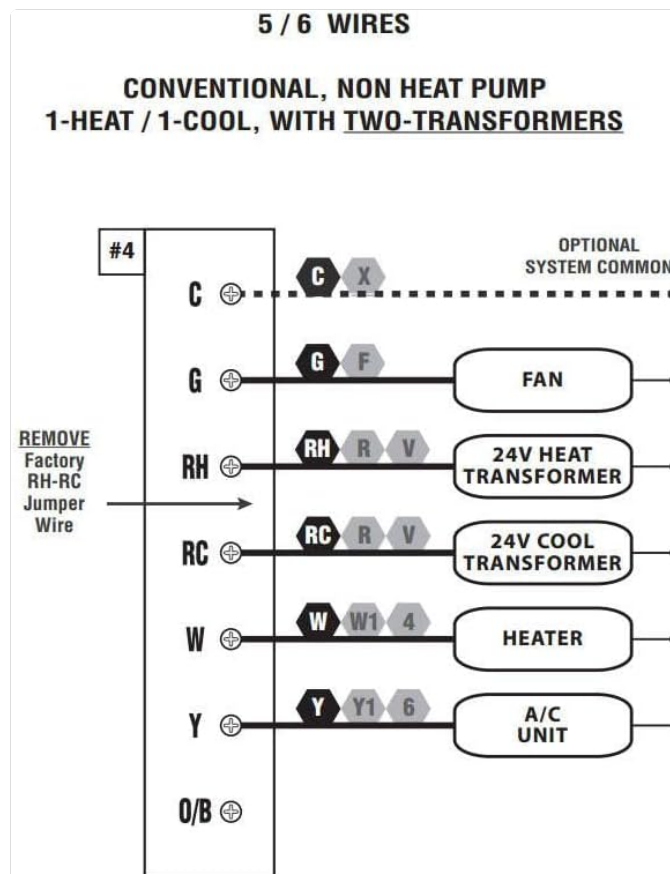


Figure 6: Wiring Diagram for 5/6 Wires. This diagram illustrates the wiring for a conventional, non-heat pump, 1-heat / 1-cool system with two transformers, showing connections for C (optional system common), G (FAN), RH (24V HEAT TRANSFORMER), RC (24V COOL TRANSFORMER), W (HEATER), and Y (A/C UNIT). The factory RH-RC jumper wire must be removed for this configuration.

3. Mounting

The thermostat is designed for wall mounting. Use the provided screws and wall anchors for secure installation. Ensure the thermostat is level for accurate temperature readings.

OPERATING INSTRUCTIONS

The Lux Pro P111 thermostat features an intuitive control panel for easy operation.

Simple & Intuitive control panel

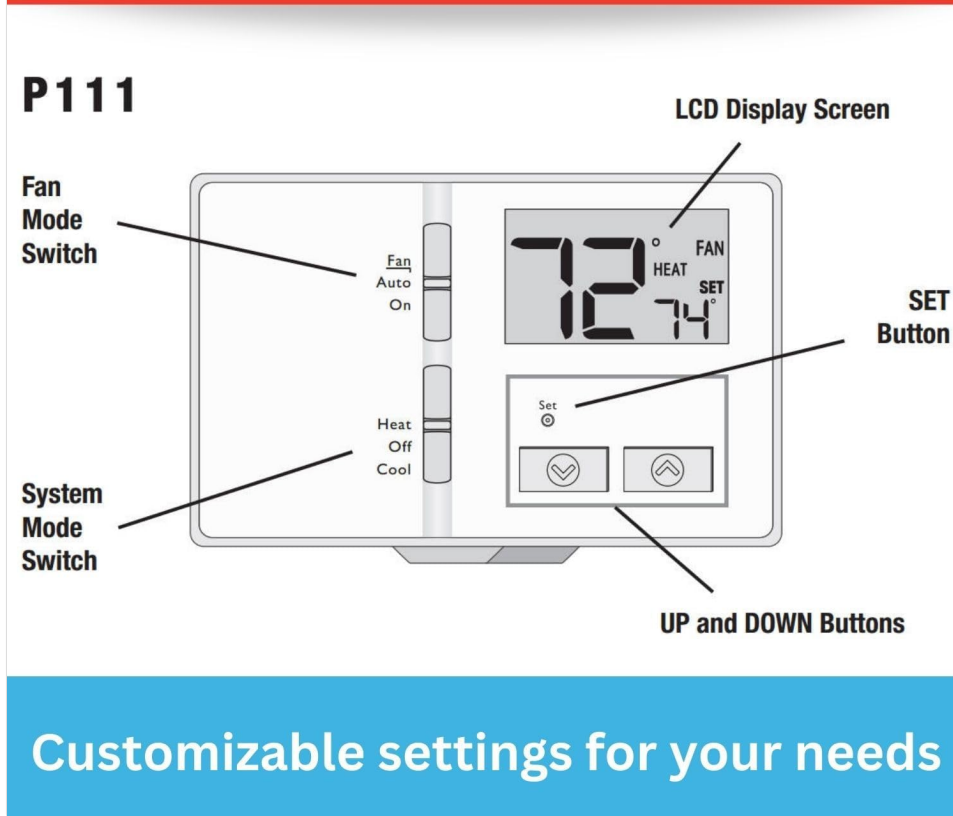


Figure 7: Control Panel Diagram. This diagram labels the key components of the thermostat's front panel: Fan Mode Switch (Fan Auto/On), System Mode Switch (Heat/Off/Cool), LCD Display Screen, SET Button, and UP and DOWN Buttons.

1. System Mode Switch

- **HEAT:** Activates the heating system.
- **OFF:** Turns off both heating and cooling systems.
- **COOL:** Activates the cooling system.

2. Fan Mode Switch

- **AUTO:** The fan runs only when the heating or cooling system is actively operating.
- **ON:** The fan runs continuously, regardless of whether the heating or cooling system is active.

3. Adjusting Temperature

Use the **UP** (▲) and **DOWN** (▼) buttons to set your desired temperature. The current temperature will be displayed prominently on the LCD screen.

4. Backlight Activation

Press any button to activate the backlight for improved visibility in low-light conditions. The backlight will automatically turn off after a short period of inactivity.

5. Temperature Display (Fahrenheit/Celsius)

The thermostat allows you to switch between Fahrenheit (°F) and Celsius (°C) temperature displays. Refer to the full instruction manual for specific steps on how to change this setting, typically found in the advanced settings menu.

6. Equipment Protection Time Delay

The thermostat features a selectable 5- or 2-minute time delay for equipment protection. This delay prevents short cycling of your heating and cooling system, which can extend the lifespan of your equipment. This setting is usually configured during initial setup or in advanced settings.

7. Keypad Lockout

To prevent unauthorized adjustments, the thermostat includes a keypad lockout feature. Consult the detailed manual for instructions on how to activate and deactivate this function.

MAINTENANCE

1. Battery Replacement

When the battery indicator appears on the display, replace the two (2) AA alkaline batteries. Ensure proper polarity when inserting new batteries. The thermostat retains settings during battery replacement.

2. Cleaning

Clean the thermostat's exterior with a soft, damp cloth. Do not use abrasive cleaners or solvents, as they may damage the finish or internal components.

TROUBLESHOOTING

If you encounter issues with your Lux Pro P111 thermostat, consider the following common solutions:

- **No Display or Low Battery Indicator:** Replace the batteries with fresh AA alkaline batteries.
- **System Not Responding (Heating/Cooling):**
 - Check that the system mode switch is set to HEAT or COOL.
 - Ensure the fan mode switch is set to AUTO or ON.
 - Verify that the circuit breaker for your HVAC system is not tripped.
 - Confirm that the wiring connections are secure and correct according to the installation diagrams.
 - Allow for the equipment protection time delay (5 or 2 minutes) to elapse before the system activates.
- **Incorrect Temperature Reading:** Ensure the thermostat is not exposed to direct sunlight, drafts, or heat sources that could affect its sensor.
- **Keypad Unresponsive:** Check if the keypad lockout feature is active. Refer to the manual for deactivation steps.

For persistent issues, refer to the complete user manual or contact customer support.

SPECIFICATIONS

Feature	Detail
Brand	LUX
Model Name	P111
Product Dimensions	4"D x 7"W x 7"H
Controller Type	Push Button
Special Features	Lighted Display, Temperature Display

Feature	Detail
Color	P111-white
Specific Uses	Air Conditioner, Heat Pump
Temperature Control Type	Manual
Included Components	Pro P111 Non-Programmable Thermostat; 1 Heat, 1 Cool
Power Source	Battery Powered (2 AA batteries required), 24V System Powered
Item Weight	1.6 ounces
Voltage	24 Volts
Material	Plastic
Mounting Type	Wall Mount
Style	Non-programmable
Backlight	Yes
UPC	021079141111

WARRANTY AND SUPPORT

Warranty Information

The Lux Pro P111 thermostat comes with a **5-year limited warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.


Customer Support






For technical assistance, troubleshooting not covered in this manual, or warranty inquiries, please contact Lux customer support. Refer to the product packaging or the official Lux website for the most current contact information.

You can visit the official LUX Store for more information:[LUX Store on Amazon](#)

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Related Documents - P111

	<p>LUX TX700U Universal Thermostat: Installation Guide & Features</p> <p>Comprehensive installation manual and guide for the LUX TX700U Universal Thermostat, covering setup, programming, wiring, and operation for various HVAC systems. Learn about system compatibility, cautions, installation steps, front panel controls, setup options, temperature programming, and emergency heat functions.</p>
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	<p>LUX TX700U Universal Thermostat Installation Manual</p> <p>Installation and setup guide for the LUX TX700U Universal Thermostat, covering system compatibility, wiring diagrams, programming, and operation for heating and cooling systems. This manual provides detailed instructions for replacing an old thermostat and configuring the new device for optimal performance.</p>
	<p>LUX TX100E Thermostat: Installation and Operating Instructions</p> <p>This document provides comprehensive installation and operating instructions for the LUX TX100E programmable thermostat, covering system compatibility, wiring diagrams, setup options, advanced features, and warranty information.</p>
	<p>LUX TX9600TS Programmable Thermostat: Installation & Operating Guide</p> <p>Comprehensive installation and operating instructions for the LUX TX9600TS Smart Temp Universal 7-Day Programmable Touchscreen Thermostat. Covers system compatibility, features, wiring, setup, and advanced operation.</p>
	<p>LUX TX9100Uc Smart Thermostat: Installation & Operation Guide</p> <p>Detailed installation, wiring, programming, and operation guide for the LUX TX9100Uc Smart Temp Universal 7-Day Programmable Thermostat. Learn about features, compatibility, advanced settings, and troubleshooting.</p>
	<p>LUX TX9600TS Smart Temp Universal Programmable Thermostat Installation and Operating Instructions</p> <p>Installation and operating instructions for the LUX TX9600TS Smart Temp Universal 7-Day Programmable Touchscreen Thermostat. Covers compatibility, installation, wiring, setup, and advanced features for conventional and heat pump HVAC systems.</p>