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LUX LTX100E-A04

Lux LTX100E Programmable 7 Day Thermostat

Model: LTX100E-A04 | Brand: LUX

INTRODUCTION

The Lux LTX100E is a versatile programmable thermostat designed to provide efficient and comfortable temperature control for your home. It offers flexible programming options, including 7-day or 5/2-day schedules, with the ability to program each day separately with 2 or 4 periods. Key features include a lighted display for easy viewing, a keypad lockout for security, and options for manual temperature hold and temporary override. This dual-powered thermostat also allows for adjustable temperature differential, user temperature calibration, and heat/cool set temperature limit stops, ensuring precise climate management.



Front view of the Lux LTX100E Programmable Thermostat, showing the display and control buttons.

PRODUCT FEATURES

- **Easy Scheduling:** Set your home comfort level with convenient 7-day or 5/2-day program settings.
- **Adjustable Temperature Limits:** Customize heating and cooling temperature limits for optimal comfort.
- **Keypad Lockout:** Prevents unauthorized use, maintaining your desired settings.
- **Flexible Programming Periods:** Choose between 2 or 4 periods per day to suit your schedule.
- **Easy-to-Read Display:** Features a backlit display for clear visibility in various lighting conditions.
- **Dual Power Options:** Can be powered by batteries or connected to a 24V system.
- **Temperature Display:** Selectable Fahrenheit or Celsius temperature display.
- **Adjustable Differential:** Allows fine-tuning of temperature swing for consistent comfort.

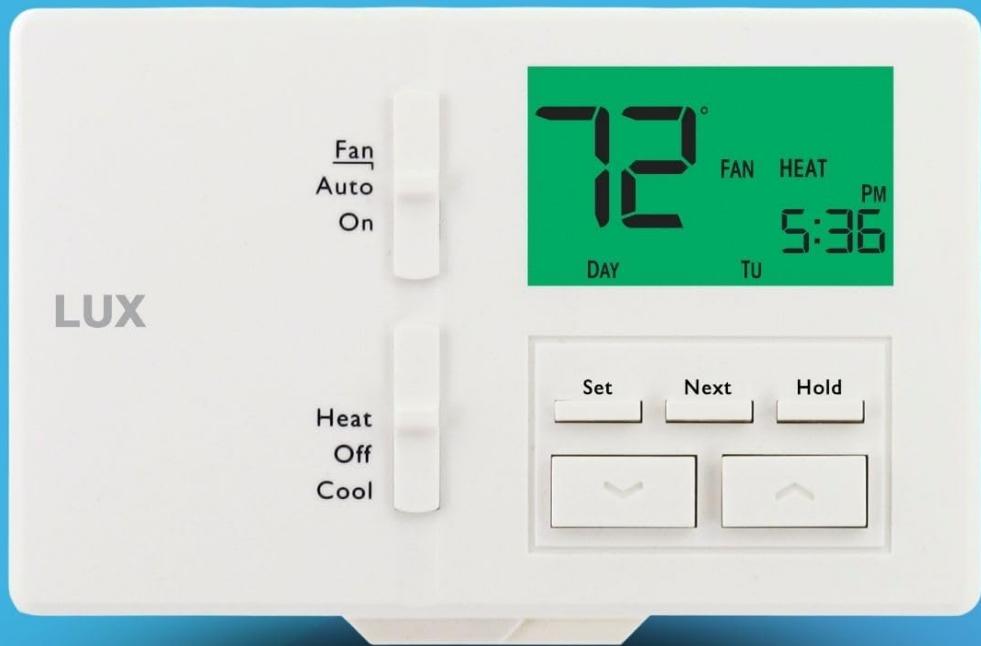


Battery
powered



1 heat
and 1 cool

EASY TO OPERATE AND PROGRAM

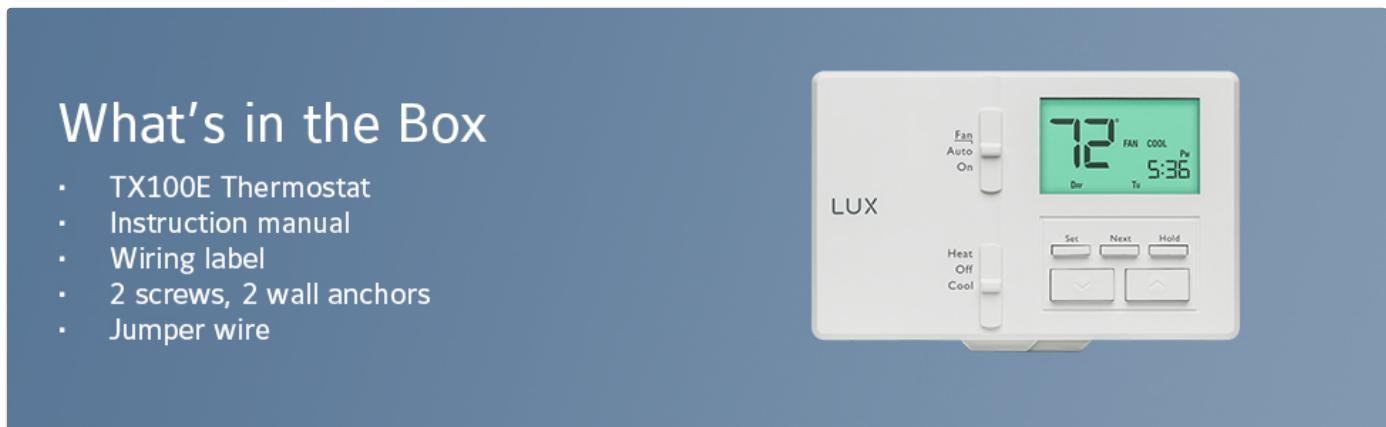


Overview of key features including battery power, 3-year warranty, and 1 heat/1 cool compatibility.

WHAT'S IN THE BOX

Upon opening your Lux LTX100E package, you should find the following components:

- LTX100E Thermostat Unit
- Instruction Manual (this document)
- Wiring Label
- 2 Mounting Screws
- 2 Wall Anchors
- Jumper Wire (pre-installed for RH-RC connection)



Visual representation of the items included in the product packaging.

INSTALLATION

System Compatibility

The Lux LTX100E thermostat is designed for use with most 24V heating and A/C systems. Please review the compatibility chart below to ensure your system is supported before installation.

System Compatibility

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 Millivolt
- ✓ Gas Fireplaces (24V)

COOL (24V) COMPATIBLE

- ✓ Cooling only
- ✓ Single stage cooling

NOT COMPATIBLE WITH:

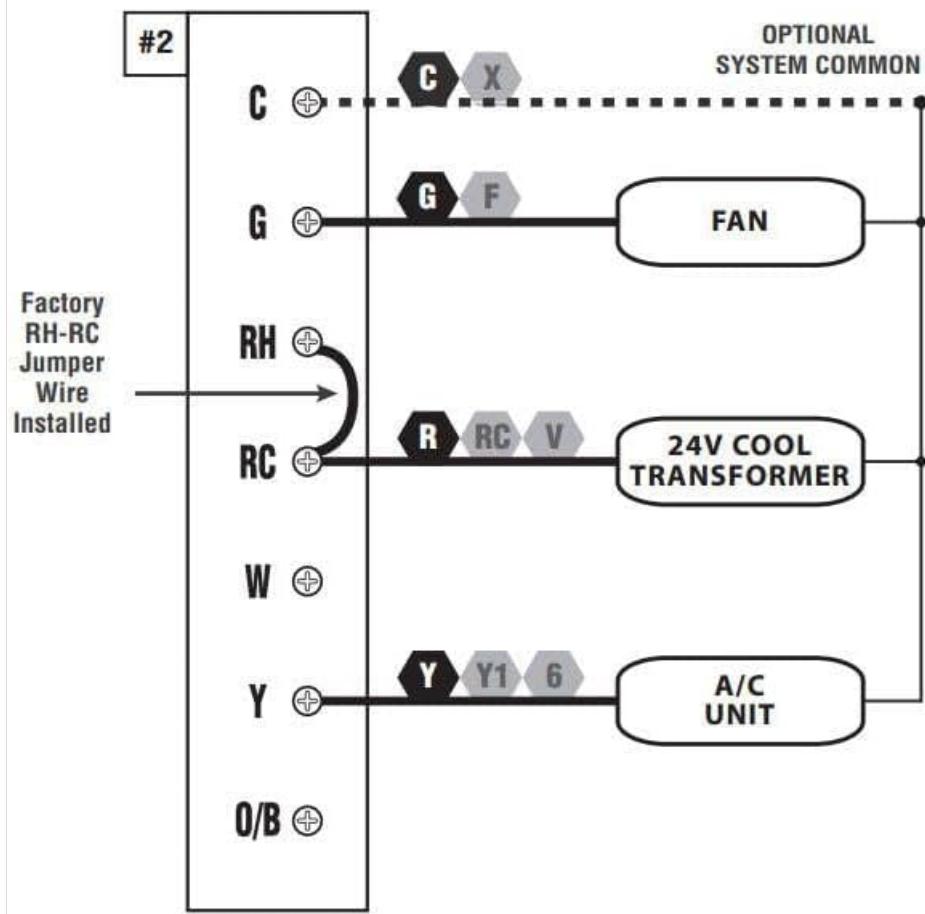
- ✗ Heat Pump Multistage
- ✗ Radiant Ceiling Heat
- ✗ Electric Baseboards
- ✗ Heat Pump w/ Auxiliary Heat
- ✗ Portable space heaters
- ✗ 3-wire Hydronic (Hot Water)
- ✗ Gas/ Oil/ Electric Furnace - Multistage
- ✗ Cool Multistage
- ✗ Plug-in air conditioners

Detailed chart showing compatible and non-compatible HVAC systems for the LTX100E.

Wiring Diagrams

Proper wiring is crucial for the correct operation of your thermostat. Always turn off power to your HVAC system at the circuit breaker before beginning any wiring work. Refer to the diagrams below that match your existing wiring configuration.

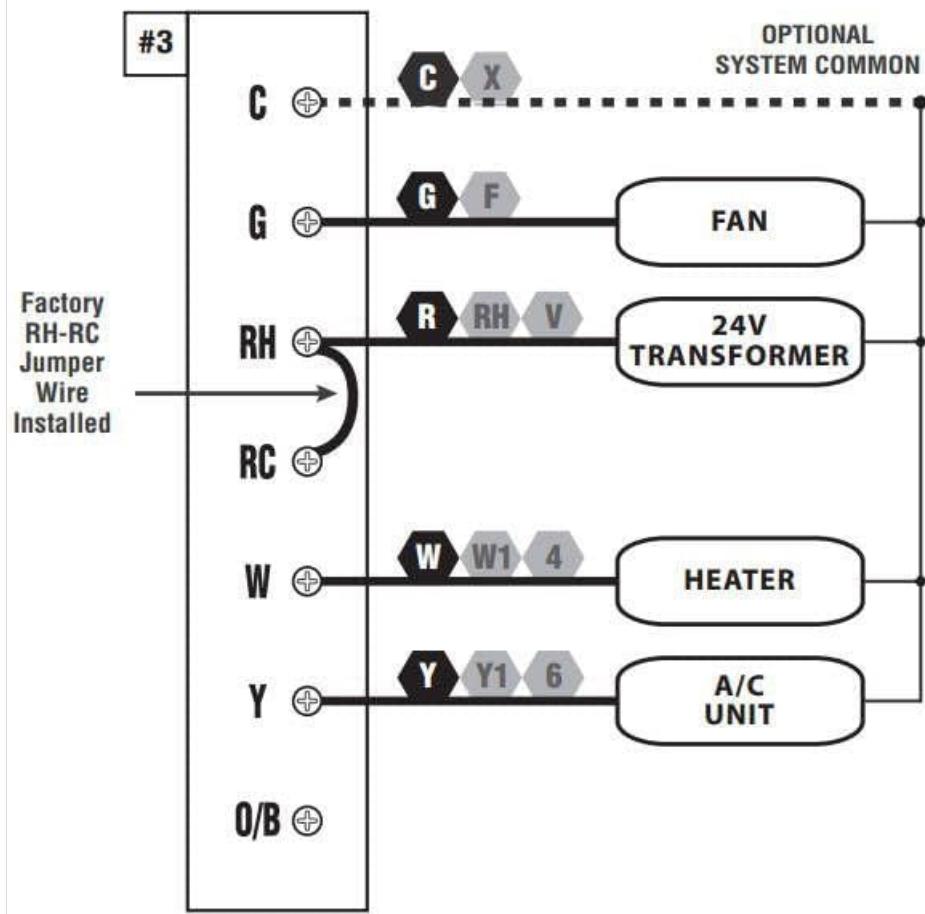
**CONVENTIONAL, NON HEAT PUMP
1-STAGE, COOL ONLY**



Wiring diagram for 3 or 4 wire conventional systems with 1-stage cooling only.

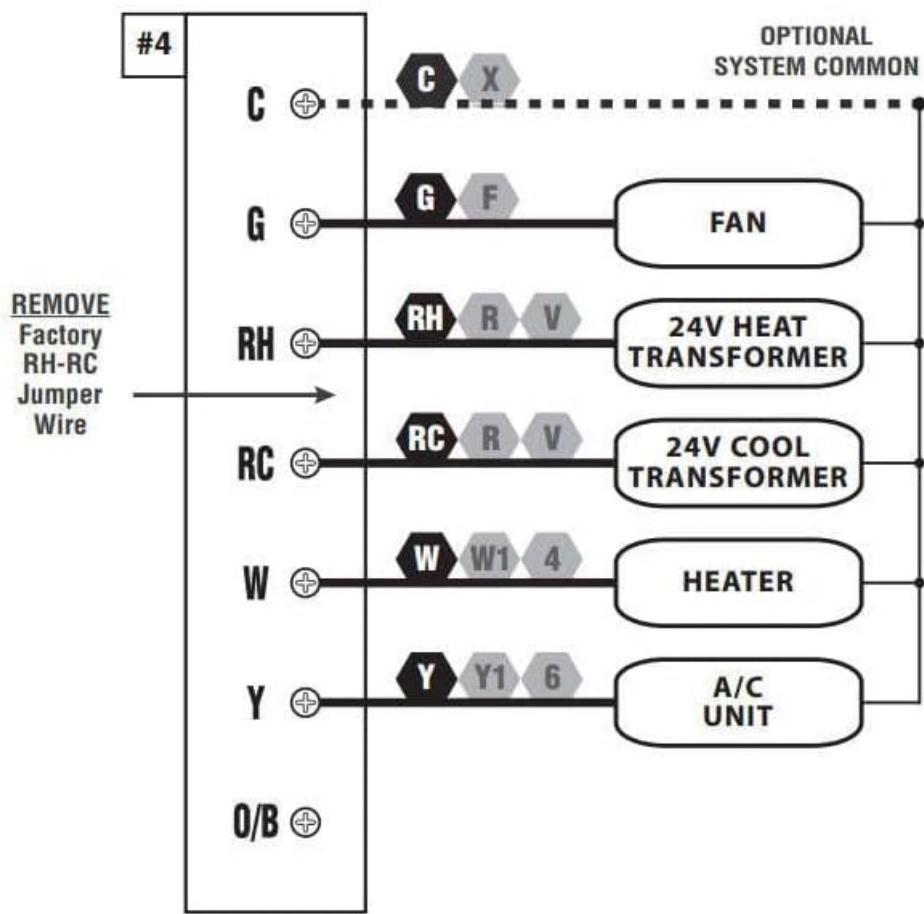
4 / 5 WIRES

CONVENTIONAL, NON HEAT PUMP 1-STAGE HEAT AND 1-STAGE COOL



Wiring diagram for 4 or 5 wire conventional systems with 1-stage heating and 1-stage cooling.

**CONVENTIONAL, NON HEAT PUMP
1-HEAT / 1-COOL, WITH TWO-TRANSFORMERS**



Wiring diagram for 5 or 6 wire conventional systems with 1-heat/1-cool and two transformers.

Note: If you are unsure about your wiring configuration or installation process, it is recommended to consult a qualified HVAC technician.

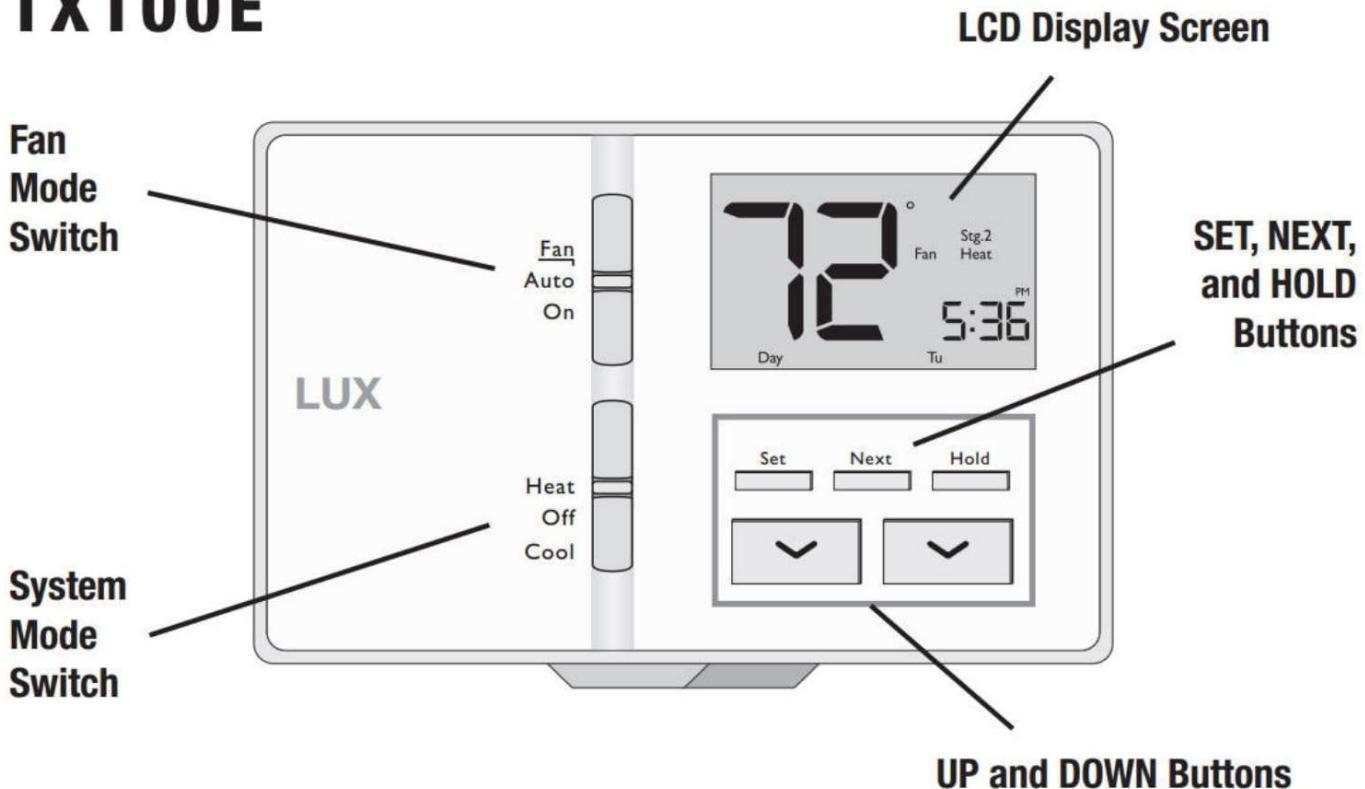
OPERATING INSTRUCTIONS

Control Panel Overview

Familiarize yourself with the thermostat's control panel for easy operation.

Simple & Intuitive control panel

TX100E



Customizable settings for your needs

Diagram illustrating the LCD Display Screen, Fan Mode Switch, System Mode Switch, SET, NEXT, HOLD buttons, and UP/DOWN buttons.

- **LCD Display Screen:** Shows current temperature, time, day, and system status.
- **Fan Mode Switch:** Controls fan operation (Auto, On).
- **System Mode Switch:** Selects system mode (Heat, Off, Cool).
- **SET Button:** Used to enter programming mode and confirm selections.
- **NEXT Button:** Navigates through programming options.
- **HOLD Button:** Maintains a set temperature indefinitely, overriding the program.
- **UP/DOWN Buttons:** Adjust temperature settings and navigate through options.

Setting Time and Day

1. Press the **SET** button once. The time will flash.
2. Use the **UP** or **DOWN** buttons to adjust the hour. Press **NEXT** to switch to minutes.
3. Adjust minutes with **UP** or **DOWN**. Press **NEXT** to switch to day of the week.

4. Adjust the day with **UP** or **DOWN**.
5. Press **SET** to save and exit, or wait for 10 seconds for it to save automatically.

Programming Your Schedule (7-Day or 5/2-Day)

The LTX100E allows for flexible programming. You can choose between 7-day programming (each day unique) or 5/2-day programming (weekdays together, weekend together). You can also select 2 or 4 periods per day.

1. Ensure the System Mode Switch is set to **HEAT** or **COOL**.
2. Press and hold the **SET** button for 3 seconds to enter programming mode. The display will show the first program period (e.g., "MORN").
3. Use **UP** or **DOWN** to adjust the start time for the current period.
4. Press **NEXT** to move to the temperature setting for that period. Adjust with **UP** or **DOWN**.
5. Press **NEXT** to advance to the next period (e.g., "DAY", "EVE", "NITE") and repeat steps 3 and 4.
6. After setting all periods for the current day/group, press **NEXT** to move to the next day/group.
7. Once all desired programming is complete, press **SET** to save and exit, or wait for 10 seconds for automatic saving.

Using Hold and Temporary Override

- **Temporary Override:** While in normal operation, press **UP** or **DOWN** to adjust the temperature. This temporary setting will remain active until the next programmed period begins.
- **Manual Hold:** Press the **HOLD** button. The current temperature will be maintained indefinitely, overriding all programmed settings. To cancel HOLD, press **HOLD** again.

Keypad Lockout

To prevent unauthorized changes to your settings, you can activate the keypad lockout feature. Refer to the full user manual (link in Support section) for detailed instructions on enabling and disabling this feature.

MAINTENANCE

Battery Replacement

The Lux LTX100E thermostat is battery-powered (or dual-powered). When the battery indicator appears on the display, it's time to replace the batteries. It uses AA batteries.

1. Gently pull the thermostat unit straight off the wall plate.
2. Locate the battery compartment on the back of the unit.
3. Remove the old batteries and insert new AA alkaline batteries, ensuring correct polarity (+/-).
4. Align the thermostat unit with the wall plate and gently push it back into place until it clicks securely.

Note: Replacing batteries typically does not erase your programmed settings, but it's good practice to verify them after replacement.

TROUBLESHOOTING

If you encounter issues with your Lux LTX100E thermostat, try the following common troubleshooting steps:

- **No Display or Blank Screen:** Check if the batteries are installed correctly and are fresh. If dual-powered, ensure the 24V power supply is active.
- **"ER" Code on Display:** This typically indicates an internal error. Try removing the thermostat from the wall plate,

waiting 30 seconds, and reattaching it. If the error persists, contact customer support.

- **System Not Responding (No Heat/Cool):**

- Verify the System Mode Switch is set to the desired mode (Heat or Cool).
- Check the circuit breaker for your HVAC system.
- Ensure wiring connections are secure at both the thermostat and the HVAC unit.
- Confirm the set temperature is above (for heat) or below (for cool) the ambient temperature.

- **Inaccurate Temperature Reading:** The thermostat has a user temperature calibration feature. Refer to the full user manual for instructions on how to calibrate the temperature sensor if you suspect it is inaccurate.
- **Frequent Cycling (Short Cycling):** The LTX100E allows for adjustable temperature differential (swing). Adjusting this setting can help prevent frequent on/off cycles. Consult the full user manual for details.

For more detailed troubleshooting steps, please refer to the complete user manual available in the Support section.

SPECIFICATIONS

Attribute	Detail
Brand	LUX
Model Name	LTX100E-A04
Controller Type	Keypad
Special Feature	Low Voltage
Color	White
Temperature Control Type	Programmable (7-day, 5/2-day)
Power Source	Battery Powered (AA)
Voltage	24 Volts
Display Type	Manual (Backlit LCD)
Mounting Type	Wall Mount
Item Weight	8.8 ounces
Product Dimensions	7.1 x 1.38 x 10.9 inches
UPC	785971653935, 021079141005, 756655970969

WARRANTY AND SUPPORT

Warranty Information

The Lux LTX100E Thermostat comes with a **3-year limited warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

Additional Support

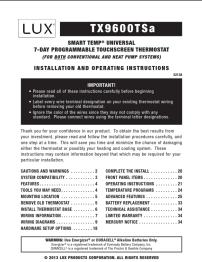
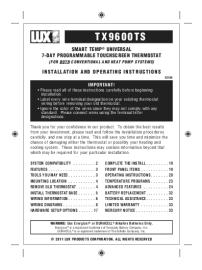
For comprehensive instructions, advanced settings, or further assistance, please refer to the official User Manual PDF:

Download Full User Manual
(PDF)

You can also visit the official LUX website or contact their customer service for direct support.

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Related Documents - LTX100E-A04

	<p><u>LUX TX9600TSa Smart Temp Universal 7-Day Programmable Touchscreen Thermostat: Installation and Operating Instructions</u></p> <p>This manual details the installation, operation, features, and troubleshooting for the LUX TX9600TSa Smart Temp Universal 7-Day Programmable Touchscreen Thermostat, compatible with conventional and heat pump systems.</p>
	<p><u>LUX TX700U Universal Thermostat: Installation Guide & Features</u></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>
	<p><u>LUX TX9600TS Programmable Thermostat: Installation & Operating Guide</u></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><u>TX500E Programmable Thermostat Installation and Operating Instructions</u></p> <p>Comprehensive guide for installing and operating the LUX TX500E Programmable Thermostat, covering features, setup, programming, and maintenance for optimal home climate control.</p>

