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› Lux Smart Temp TX500 Programmable Thermostat User Manual

Jensen TX500E

Lux Smart Temp TX500 Programmable Thermostat User Manual

Model: TX500E | Brand: Jensen

1. INTRODUCTION

The Jensen Lux Smart Temp TX500 Programmable Thermostat is designed to provide efficient and precise control over your home's heating and cooling system. This manual provides detailed instructions for installation, operation, maintenance, and troubleshooting to ensure optimal performance and energy savings.



Figure 1: Lux Smart Temp TX500 Programmable Thermostat in its retail packaging, showing the digital display and compatibility icons.

2. SAFETY INFORMATION

Always observe the following safety precautions when installing or operating your thermostat:

- Turn off power to the heating/cooling system at the main fuse or circuit breaker panel before installation to prevent electrical shock and equipment damage.
- Ensure all wiring connections are secure and comply with local electrical codes.

- Do not use this thermostat with voltages exceeding 24 Volts. It is designed for 24 Volt and millivolt systems only.
- Keep the thermostat away from direct sunlight, drafts, and heat sources that could affect temperature readings.

3. SETUP AND INSTALLATION

3.1. Compatibility

The TX500 thermostat is compatible with the following systems:

- Heat-only and Cool-only systems
- Gas or Oil Heat systems
- Electronic Ignition systems
- Millivolt systems

It is designed to replace most round, rectangular, or square thermostats.

3.2. Wiring Instructions

Before beginning, ensure power to your HVAC system is OFF. This thermostat operates on 24 Volts.

1. Carefully remove your old thermostat from the wall. Note the terminal designations and the wires connected to each. It is recommended to label each wire with the corresponding terminal letter before disconnecting.
2. Mount the new TX500 base plate to the wall using the provided screws. Ensure it is level for aesthetic purposes.
3. Connect the wires from your wall to the corresponding terminals on the TX500 base plate. Refer to your HVAC system's manual for specific wiring diagrams if unsure.
4. Once wiring is complete, snap the thermostat unit onto the base plate.

3.3. Battery Installation

The TX500 requires 2 AA batteries (not included) for operation and to maintain programming during power outages. An on-screen low-battery indicator will alert you when replacement is needed.

1. Locate the battery compartment, typically on the back or side of the thermostat unit.
2. Insert two new AA alkaline batteries, observing the correct polarity (+/-) as indicated.
3. Close the battery compartment securely.

4. OPERATION

4.1. Digital Display Overview

The easy-to-read digital display shows the current time, day of the week, and room temperature. It also indicates the active programming period (Morn, Day, Eve, Night) and system status.

4.2. Programming Your Thermostat

The TX500 is a 5-2 day programmable thermostat, allowing for distinct programming for weekdays (Monday-Friday) and weekends (Saturday-Sunday). You can set up to four temperature settings per day.

1. **Set Time and Day:** Use the appropriate buttons (refer to your thermostat's specific button layout) to set the current time and day of the week.
2. **Enter Programming Mode:** Press the "Program" or "Set" button to enter the programming mode.
3. **Adjust Settings:** For each period (Morn, Day, Eve, Night) and day group (Weekday, Weekend), adjust the desired temperature and time using the up/down arrows.

4. **Vacation Hold:** To temporarily override the program for an extended period, activate the "Vacation Hold" feature. This will maintain a set temperature until manually cancelled.
5. **Exit Programming:** Once all settings are entered, press the "Run" or "Done" button to save and exit programming mode. The thermostat will now follow your programmed schedule.

5. MAINTENANCE

5.1. Battery Replacement

When the low-battery indicator appears on the display, replace the two AA batteries promptly to ensure continuous operation and prevent loss of programming. Follow the battery installation steps in Section 3.3.

5.2. Cleaning

To clean the thermostat, gently wipe the exterior with a soft, damp cloth. Do not use abrasive cleaners or solvents, as these can damage the finish or internal components.

6. TROUBLESHOOTING

Refer to the table below for common issues and their solutions.

Problem	Possible Cause	Solution
Display is blank or dim.	Dead or low batteries.	Replace with new AA batteries.
System not responding to thermostat settings.	Power to HVAC system is off; incorrect wiring; system switch set incorrectly.	Check circuit breaker; verify wiring connections; ensure system switch (Heat/Cool/Off) is in the correct position.
Temperature reading seems inaccurate.	Thermostat exposed to drafts, direct sunlight, or heat sources.	Relocate thermostat if possible, or shield it from external influences.
Programming does not save or resets.	Low batteries; programming not saved correctly.	Replace batteries; ensure you press "Run" or "Done" after programming.

7. SPECIFICATIONS

Brand: Jensen

Model Number: TX500E

Controller Type: Push Button

Special Feature: Programmable

Color: White

Temperature Control Type: Programmable

Voltage: 24 Volts

Display Type: Digital

Control Method: Touch (referring to button presses)

Backlight: Yes

Product Dimensions: 4 x 6 x 1 inches

UPC: 783961015886, 021079465002

8. WARRANTY INFORMATION

For specific warranty details regarding your Jensen Lux Smart Temp TX500 Thermostat, please refer to the warranty card included with your product packaging or visit the manufacturer's official website. Keep your purchase receipt as proof of purchase for any warranty claims.

9. SUPPORT

For further assistance, technical support, or to view additional product resources, please visit the official Lux Products website:

www.luxproducts.com

You may also contact Jensen customer service for support related to your thermostat.