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## Trane XL-850

# Trane ComfortLink II XL850 Wi-Fi Smart Thermostat User Manual

Model: XL-850

## INTRODUCTION

The Trane ComfortLink II XL850 Smart Thermostat provides advanced control for your home's heating, ventilation, and air conditioning (HVAC) system. This device is designed to integrate with Trane's ComfortLink Communicating and Variable Speed systems, offering precise temperature management and energy efficiency. It features a 4.3-inch color touchscreen for intuitive operation and built-in Wi-Fi and Z-Wave connectivity for remote access and smart home integration.

This manual provides instructions for the installation, operation, and maintenance of your Trane ComfortLink II XL850 Smart Thermostat.



Image: The Trane ComfortLink II XL850 thermostat display showing indoor temperature, outdoor temperature, and indoor humidity. It indicates the system is in cooling mode and following a schedule.

## SETUP AND INSTALLATION

### Package Contents

Verify that your package contains the following items:

- Trane ComfortLink II XL850 Thermostat
- Back Plate
- Anchors
- USB Cable
- User Manual (this document)



Image: The Trane ComfortLink II XL850 thermostat, its back plate, a USB cable, and mounting anchors, alongside the product packaging.

### Physical Installation

Installation of the Trane ComfortLink II XL850 involves mounting the back plate to a wall and connecting the necessary wiring for your HVAC system. It is recommended that a qualified HVAC technician perform the physical installation to ensure proper wiring and system compatibility. Refer to the detailed wiring diagrams provided with your unit for specific connections.



Image: A side view of the Trane ComfortLink II XL850 thermostat mounted on a wall, showing its slim profile.

## Initial Configuration and Connectivity

After physical installation, power on the thermostat. The touchscreen will guide you through the initial setup process, including:

- **Date and Time Settings:** Configure the current date and time.
- **HVAC System Type:** Select your specific heating and cooling system configuration.
- **Wi-Fi Connection:** Connect the thermostat to your home Wi-Fi network. The XL850 supports both Wi-Fi and Ethernet connectivity for remote access.
- **Z-Wave Integration:** The built-in Z-Wave bridge allows integration with other Z-Wave compatible smart home devices. Follow the on-screen prompts to add the thermostat to your Z-Wave network or to pair other Z-Wave devices with the thermostat. The device is Z-Wave Certified (ID: ZC08-14090003).

## OPERATING INSTRUCTIONS

### Touchscreen Interface

The Trane ComfortLink II XL850 features a vibrant 4.3-inch color touchscreen. Navigate through menus and adjust settings by touching the corresponding icons or values on the screen.



Image: A hand touching the screen of the Trane ComfortLink II XL850 thermostat, adjusting the heating setpoint.

## Basic Temperature Control

From the main screen, you can view the current indoor temperature, outdoor temperature, and indoor humidity. To adjust the desired temperature:

1. Touch the temperature display area.
2. Use the up and down arrows to increase or decrease the setpoint.
3. Select the desired operating mode (Heat, Cool, Auto, Off) if available.



Image: The Trane ComfortLink II XL850 thermostat display showing the current indoor temperature and options to adjust the cooling setpoint using up and down arrows.

## Programmable Scheduling

The XL850 allows for 7-day programmable scheduling, enabling you to customize up to seven different schedules to match your weekly routine. This feature helps optimize energy usage and maintain comfort.

- Access the scheduling menu through the main screen or 'Menu' option.
- Create or modify schedules for different times of the day (e.g., Wake, Away, Home, Sleep).
- Set desired temperatures for each period.
- Apply schedules to individual days or groups of days.

## Remote Access and Smart Features

With Wi-Fi or Ethernet connectivity, you can control your thermostat remotely using a smartphone, tablet, or computer. Download the compatible Trane or Nexia app to:

- Adjust temperature and humidity settings from anywhere.
- Monitor system status and performance.
- Receive smart alerts for maintenance needs.
- Integrate with voice control platforms like Alexa and Google Assistant (requires compatible smart home hub).

The built-in Z-Wave bridge enhances home automation by allowing comprehensive control of lighting, security, and other smart devices from the thermostat interface or connected app.

## MAINTENANCE

## Smart Maintenance Alerts

The Trane ComfortLink II XL850 provides smart maintenance alerts directly on the thermostat screen and through the mobile app. These alerts include reminders for:

- Filter changes for your HVAC system.
- General system maintenance.
- Humidifier servicing (if applicable).

Adhering to these alerts helps ensure optimal system performance and longevity.

## Cleaning the Thermostat

To clean the touchscreen and exterior of the thermostat:

- Turn off the thermostat's display or set it to 'Off' mode to prevent accidental changes.
- Use a soft, damp cloth (water only) to gently wipe the screen and casing.
- Avoid using abrasive cleaners, solvents, or chemical sprays, as these can damage the screen or finish.

## TROUBLESHOOTING

### Common Issues and Solutions

Issue	Possible Cause	Solution
Thermostat not powering on	No power to the unit; wiring issue.	Check circuit breaker. Verify wiring connections (consult an HVAC technician if unsure).
Cannot connect to Wi-Fi	Incorrect Wi-Fi password; router issues; out of range.	Re-enter Wi-Fi password. Restart your router. Ensure thermostat is within Wi-Fi range.
Temperature not changing	System mode incorrect; schedule override; HVAC system malfunction.	Verify thermostat mode (Heat/Cool/Auto). Check for active holds or schedule overrides. If issue persists, contact an HVAC technician.
Z-Wave device not pairing	Device too far; device already paired; interference.	Ensure device is close to the thermostat. Exclude the device from its previous network if applicable. Refer to Z-Wave device manual for pairing instructions.

## Trane Diagnostics

The XL850 includes built-in Trane Diagnostics. If you opt-in, your HVAC dealer can monitor real-time system performance and receive alerts for potential issues. This allows for remote troubleshooting and proactive maintenance, helping to keep your system running smoothly.

For complex issues or system malfunctions, it is recommended to contact a certified Trane HVAC professional.

## SPECIFICATIONS

Feature	Detail
Model Name	XL-850

Feature	Detail
Display Type	4.3" Color LCD Touchscreen
Connectivity Technology	Wi-Fi, Z-Wave (Built-in Bridge)
Connectivity Protocol	Wi-Fi, Z-Wave
Z-Wave Certification ID	ZC08-14090003
Programmability	7-Day Programmable Scheduling
Control Method	Touch
Voltage	24 Volts (AC)
Material	Plastic
Shape	Rectangular
Item Weight	1 pound
Package Dimensions	10 x 5.75 x 3.1 inches
Included Components	Anchors, Back Plate, Manual, USB Cable
Manufacturer	Trane

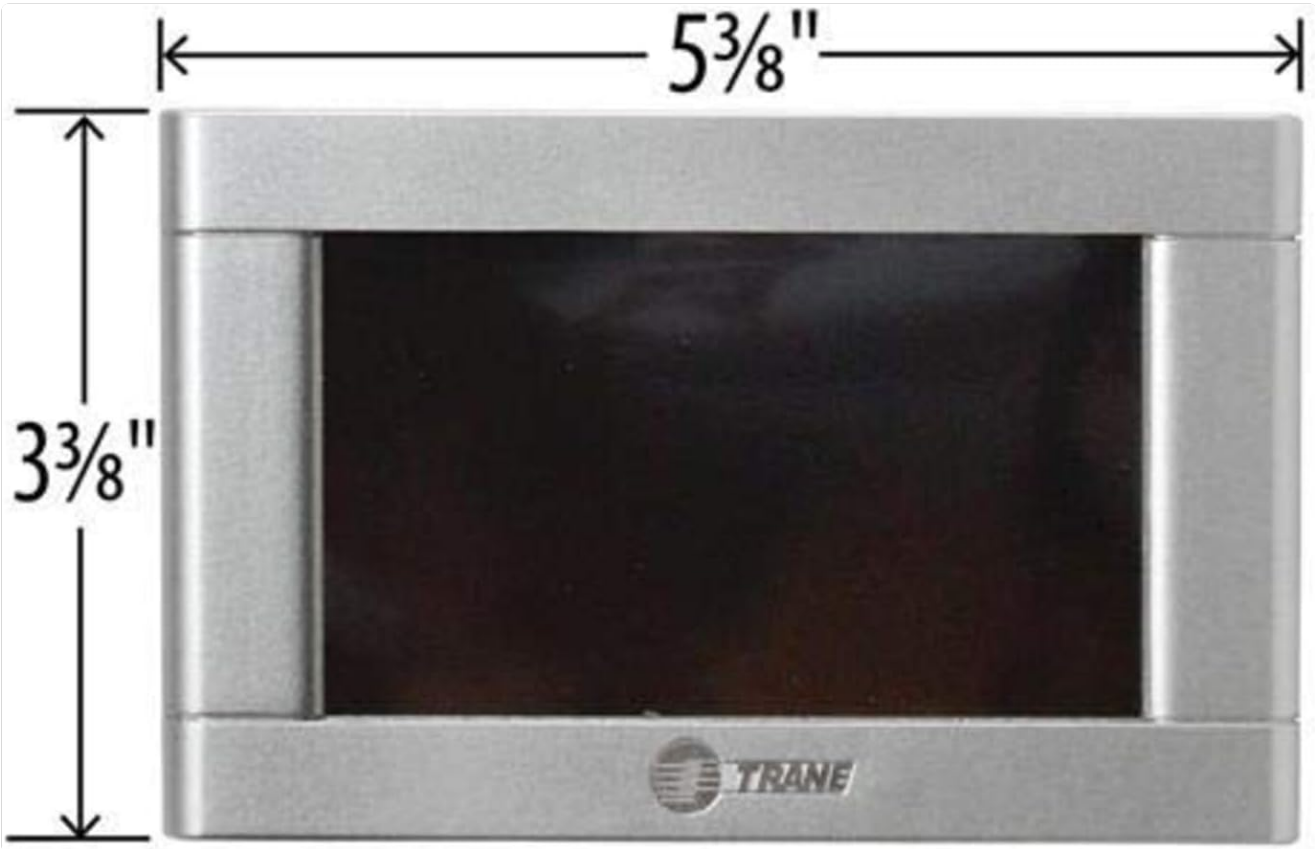


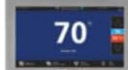





Image: A front view of the Trane ComfortLink II XL850 thermostat with dimensions indicated: 5 3/8 inches width and 3 3/8 inches height.



 <b>UX360 / SC360</b>	<b>TRANE® LINK UX360 SMART THERMOSTAT AND SYSTEM CONTROLLER</b> UX360 Smart Thermostat serves as the heart of your Trane Link system. It's easily accessible from a smartphone, tablet or computer, which makes adjusting the temperature or energy use for your family's comfort a breeze. The SC360 System Controller works in conjunction with the Trane Link system components to enable centralized decision making, self-configuration, improved accuracy, enhanced dehumidification, and enhanced maintenance of the HVAC system operation. Zoning capable. 
 <b>XL1050</b>	<b>COMFORTLINK™ II XL1050 ZONING SMART THERMOSTAT*</b> This smart thermostat is easily accessible from a smartphone, tablet or computer, which makes adjusting the temperature for your family's comfort a breeze. Built-in bridge combines zoning technology and a home automation hub to remotely control your home, comfort, and energy use. Compatible with select third party home automation controllers: AMX, Control4, Crestron, and Savant.
 <b>XL850</b>	<b>COMFORTLINK™ II XL850 SMART THERMOSTAT*</b> Take control of your ComfortLink™ communicating system's energy consumption and temperature from anywhere. Thanks to the built-in bridge, you have the ability to remotely control your home through your smartphone, tablet or computer.
 <b>XL824</b>	<b>XL824* SMART THERMOSTAT*</b> This Wi-Fi enabled, 7 day programmable smart thermostat is compatible with most traditional HVAC systems. Built in bridge helps you reduce your energy consumption remotely from a web enabled smartphone, tablet or computer.* <b>ENERGY STAR CERTIFIED</b>
 <b>XR724</b>	<b>XR724 SMART THERMOSTAT*</b> This programmable, touchscreen thermostat can be used to remotely control your home's temperature to suit your lifestyle and reduce your cooling and heating energy usage. Features a humidity sensor, filter service and maintenance reminder alerts and allows you to manage your home comfort from anywhere with the most up-to-date tools available.

\*Requires internet service

\*824B models are Energy Star Certified.

Image: A comparison chart detailing features of various Trane thermostats, including the ComfortLink II XL850, highlighting its 4.3" color touchscreen, built-in bridge, and Wi-Fi/Ethernet connectivity.

## WARRANTY AND SUPPORT

### Warranty Information

Specific warranty details for the Trane ComfortLink II XL850 Smart Thermostat are typically provided at the time of purchase or can be found on the official Trane website. It is common for Trane products to offer a limited warranty on functional parts, often requiring product registration.

Please retain your proof of purchase and consult the warranty documentation included with your product for precise terms and conditions.







### Customer Support

For technical assistance, troubleshooting, or warranty claims, please contact Trane customer support or your authorized Trane dealer. You can find contact information on the official Trane website or in your product documentation.

- **Online Resources:** Visit the official Trane website for FAQs, support articles, and additional product information.
- **Authorized Dealers:** Your local Trane dealer can provide expert installation, maintenance, and repair services.

### Related Documents - XL-850



	<p><a href="#">Trane ComfortLink II XL1050 Smart Thermostat User Guide</a></p> <p>Comprehensive user guide for the Trane ComfortLink II XL1050 smart thermostat, covering features, setup, scheduling, network connectivity, Trane Home integration, and advanced settings. Learn how to optimize your home's climate control with this advanced system.</p>
	<p><a href="#">Trane ComfortLink II Smart Thermostats and Zoning Systems</a></p> <p>Trane offers a range of smart thermostats and zoning systems, including the ComfortLink II series, designed for efficient and customizable climate control in residential and commercial applications. Explore models like the XL 824, XL 1050, and Trane Pivot, along with compatible accessories such as zone panels, expanders, and various sensors.</p>
	<p><a href="#">Trane ComfortLink II XL1050 Smart Thermostat User Guide</a></p> <p>Comprehensive user guide for the Trane ComfortLink II XL1050 smart thermostat, covering installation, setup, features, Nexia smart home integration, scheduling, network setup, and advanced settings. Learn to control your home's climate efficiently and conveniently.</p>
	<p><a href="#">Trane XL824 Smart Control User Guide: Setup, Features, and Operation</a></p> <p>Comprehensive user guide for the Trane XL824 Smart Control thermostat. Learn about setup, scheduling, Z-Wave integration, network connectivity, and energy-saving features for your home HVAC system.</p>
	<p><a href="#">Trane ComfortLink II XL1050 Smart Thermostat User Guide</a></p> <p>A comprehensive guide to the Trane ComfortLink II XL1050 smart thermostat, detailing its features, setup procedures, Nexia smart home integration, scheduling options, network connectivity, and advanced Z-Wave settings. Learn how to control your home's climate efficiently.</p>
	<p><a href="#">Trane ComfortLink II XL 850 Connected Control User Guide</a></p> <p>Comprehensive user guide for the Trane ComfortLink II XL 850 Smart Control. Learn about setup, navigation, scheduling, Nexia Home Intelligence integration, Z-Wave device management, security features, and other advanced functions for optimizing your home's climate control.</p>