

Trane XL-1050

Trane XL1050 ComfortLink Smart Thermostat User Manual

Model: TZON1050AC52ZC

INTRODUCTION

The Trane ComfortLink II XL1050 Smart Thermostat is an advanced replacement for the discontinued XL950, designed to seamlessly integrate with your home's HVAC system and smart home ecosystem. This thermostat provides comprehensive control over your home's temperature, energy usage, and comfort settings from any location. Featuring built-in Wi-Fi, Z-Wave bridge, and voice control capabilities via Amazon Alexa and Google Assistant, the XL1050 offers a modern and convenient living experience. It also includes features like built-in reminders for maintenance and optimal humidity level monitoring.

KEY FEATURES

- Advanced XL1050 control with Trane logo for seamless integration with Trane systems.
- Enables remote control and integration with over 200 Z-Wave home automation devices.
- Built-in reminders for filter replacements and regular maintenance to keep your system running efficiently.
- Monitors and maintains optimal humidity levels for increased comfort.
- Control your thermostat from anywhere using an Internet-enabled device, including computers, smartphones, and tablets.
- Replaces and supersedes models CNT06391, CNT-6391, ACONE950AC52ZAA, TZONE1050, and more.
- Also works with Trane models such as TZONE1050, TSTATNEXUXPROGRMTouch, CNT06390, and the TZONE950 series.
- Clear and responsive 7-inch color touchscreen display for easy navigation and access to all controls.
- Works with Amazon Alexa and Google Assistant for convenient voice-activated control.
- Customizable home screen and 1-Touch Presets (Home, Away, Sleep).
- 7-day programming, runtime history, weather forecasts, and alerts.
- Advanced air cycles, adjustable airflow, and diagnostics enhance functionality.



Figure 1: Front view of the Trane XL1050 thermostat display, showing current temperature (72°), system status (System Idle), and heating/cooling setpoints (Heat to 72°, Outdoor Temperature 51°).



Figure 2: Close-up of the thermostat display, indicating a cooling setpoint of 75° and current heat to 70°.



Figure 3: The Trane ComfortLink II XL1050 thermostat unit displayed alongside its retail packaging, highlighting the "One System. Limitless Potential. Complete Control." slogan.



Figure 4: The Trane XL1050 thermostat mounted on a wall in a residential setting, showing a cooling temperature of 70°.



Figure 5: A user's hand adjusting the temperature on the Trane XL1050's touchscreen, with the display showing 71° and a target heat setting of 73°.



Figure 6: Components of the Trane XL1050 thermostat, including the main display unit, the back plate for wall mounting, and various wiring accessories like anchors and a USB cable.



Figure 7: The Trane XL1050 thermostat displaying an indoor temperature of 30° (likely Celsius or a low setpoint) and indoor humidity, with the system off.

FEATURES

	UX360 SC360	Comfortlink II XL1050	Comfortlink II XL850	XL824	XR724	Other Retail Smart Thermostats
Remote Climate Access*	✓	✓	✓	✓	✓	✓
Connectivity*	WIFI	WIFI/Ethernet	WIFI/Ethernet	WIFI/Ethernet	WIFI	Varies
Bridge Integration		Built-in	Built-in	Built-in	N/A	✗
Communicating Compatibility with Variable Speed Systems	Link	ComfortLink™ II	ComfortLink™ II			✗
Touchscreen	7" Color	7" Color	4.3" Color	4.3" Color	4.3" B&W	✓
Programmable (Days/Schedules per Day)	7/4	7/4	7/4	7/4	7/4	✓
Heating/Cooling Stages	Variable	Variable	Variable	5/2	4/2	✗
Enhanced Airflow Control*	✓	✓	✓	✓	✓	✗
Upgradable Software*	✓	✓	✓	✓	✓	Varies
Trane Diagnostics*	✓	✓	✓	✓	✓	✗
Integrated Dehumidification Solution (IDS)		✓	✓	✓		✗
Boiler Support		✓	✓	✓	✓	✗
10-year limited warranty on functional parts with registration. ¹	✓	✓	✓	✓		✗
5-year limited warranty on functional parts with registration. ¹					✓	Varies

Figure 8: A feature comparison table detailing capabilities such as remote climate access, connectivity, bridge integration, touchscreen size, programming, heating/cooling stages, and warranty for various Trane thermostat models, including the ComfortLink II XL1050.

Note: No official product installation or instructional videos from the seller were available for embedding based on the provided criteria.

SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance of your Trane XL1050 Smart Thermostat. It is recommended that installation be performed by a qualified HVAC professional. However, for those with experience, the following general guidelines apply:

- Power Off:** Before beginning any installation, ensure that power to your HVAC system is completely turned off at the circuit breaker.
- Remove Old Thermostat:** Carefully remove your existing thermostat from the wall. Note the wiring connections and label them if necessary.
- Mount Back Plate:** Use the included anchors and screws to securely mount the XL1050's back plate to the wall. Ensure it is level.
- Wiring:** Connect the 18-gauge color-coded thermostat cables to the appropriate terminals on the back plate. It is critical to ground all unused thermostat wires at the indoor unit chassis ground only. Avoid running thermostat wiring alongside HVAC or high-voltage wires to prevent potential interference and ensure proper operation.
- Attach Thermostat:** Once wiring is complete, carefully attach the XL1050 thermostat unit to the mounted back plate.
- Power On:** Restore power to your HVAC system at the circuit breaker.
- Initial Setup:** Follow the on-screen prompts on the 7-inch touchscreen for initial setup, including Wi-Fi connection, date/time, and system configuration.

For detailed wiring diagrams and specific system configurations, please refer to the complete installation guide provided with your product.

OPERATING INSTRUCTIONS

The Trane XL1050 offers intuitive control through its touchscreen and smart home integration:

- **Touchscreen Navigation:** The 7-inch color touchscreen allows you to easily navigate through menus, adjust settings, and view system information. Tap icons to access different functions like temperature control, schedules, weather, and system info.
- **Temperature Adjustment:** On the main screen, use the up and down arrows to set your desired heating or cooling temperature.
- **System Modes:** Select your desired system mode (e.g., Heat, Cool, Auto, Off) from the main interface.
- **Fan Modes:** Choose between fan modes such as Auto, On, or Circulate to control continuous fan operation.
- **Schedules & Presets:** Access the "Schedules & Presets" menu to create custom 7-day programming schedules. Utilize 1-Touch Presets like "Home," "Away," and "Sleep" for quick adjustments to your comfort settings.
- **Remote Control:** Connect your thermostat to your home Wi-Fi network. Once connected, you can control your thermostat from anywhere using the compatible mobile application on your smartphone or tablet, or via a web browser on your computer.
- **Voice Control:** Integrate your XL1050 with Amazon Alexa or Google Assistant. Once linked, you can use voice commands to adjust temperature, change modes, and inquire about current settings.
- **Humidity Control:** If equipped with a humidity sensor, the thermostat will monitor and help maintain optimal humidity levels. Adjust settings in the "Humidity" menu.
- **Zoning Control:** For homes with zoning systems, the XL1050 allows precise temperature control for different areas, enhancing personalized comfort and energy efficiency.

MAINTENANCE

Regular maintenance ensures the longevity and efficiency of your Trane XL1050 Smart Thermostat and your HVAC system:

- **Cleaning:** Gently wipe the touchscreen and exterior of the thermostat with a soft, damp cloth. Avoid abrasive cleaners or solvents that could damage the display or finish.
- **Filter Reminders:** The XL1050 features built-in reminders for filter replacements. Pay attention to these alerts and replace your HVAC system's air filters as recommended to maintain air quality and system efficiency.
- **Regular Maintenance:** The thermostat also provides reminders for regular system maintenance. Schedule professional HVAC check-ups annually to ensure your heating and cooling system is operating at peak performance.
- **Software Updates:** Ensure your thermostat's software is up-to-date to benefit from the latest features and performance improvements. Updates are typically managed through the connected app or Nexia portal.

TROUBLESHOOTING

If you encounter issues with your Trane XL1050 Smart Thermostat, consider the following common troubleshooting steps:

Problem	Possible Cause	Solution
Thermostat not powering on.	No power from HVAC system; loose wiring.	Check circuit breaker for HVAC system. Verify all wiring connections are secure at the thermostat and HVAC unit.
No Wi-Fi connection.	Incorrect Wi-Fi password; router issues; out of range.	Re-enter Wi-Fi password in settings. Restart your Wi-Fi router. Ensure thermostat is within range of your router.

Problem	Possible Cause	Solution
Incorrect temperature readings.	Thermostat exposed to direct sunlight or drafts; sensor malfunction.	Ensure thermostat is not in direct sunlight or near heat sources/drafts. If problem persists, contact support.
System not responding to commands.	System mode incorrect; communication issue.	Verify the correct system mode (Heat, Cool, Auto) is selected. Check for any error messages on the display. Power cycle the HVAC system.

For more complex issues or if troubleshooting steps do not resolve the problem, please consult the full user manual or contact Trane customer support.

TECHNICAL SPECIFICATIONS

Attribute	Detail
Brand	Trane
Model Name	Trane XL-1050
Product Dimensions	3"D x 7.2"W x 4.5"H
Controller Type	Nexia, Google Assistant, Amazon Alexa, Touch
Special Feature	WiFi or Ethernet connectivity enables control via smartphone, tablet, or computer. It features a 7" color touchscreen, customizable home screen, and 1-Touch Presets (Home, Away, Sleep). With 7-day programming, runtime history, weather forecasts, and alerts, it offers convenience. Advanced air cycles, adjustable airflow, and diagnostics enhance functionality. The ComfortLink II XL1050 integrates Nexia for smart zoning and home automation., Temperature Display, Voice Control, Auto-Scheduling, Programmable
Color	Silver
Specific Uses For Product	Air Conditioner, Heat Pump, Furnace, Dehumidifier
Temperature Control Type	Cooling
Connectivity Technology	Wi-Fi
Included Components	Anchors, Manual, Back Plate
Voltage	24 Volts
Material	Plastic
Shape	Rectangular

Attribute	Detail
Display Type	LCD
Control Method	App, Touch, Voice
Connectivity Protocol	Wi-Fi, Z-Wave
Mounting Type	Wall Mount
Style	Modern
Manufacturer	Trane
Item Weight	2 pounds
Date First Available	November 15, 2024




WARRANTY AND SUPPORT

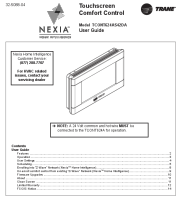


The Trane XL1050 ComfortLink Smart Thermostat is covered under the manufacturer's factory warranty. For specific details regarding warranty terms, duration, and coverage, please refer to the warranty documentation included with your product or visit the official Trane website.

For technical assistance, troubleshooting beyond the scope of this manual, or to inquire about service, please contact Trane customer support. Contact information can typically be found on the Trane official website or in your product's packaging.

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Related Documents - XL-1050

	Trane ComfortLink II XL1050 Smart Thermostat User Guide 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.
	Trane ComfortLink II XL1050 Smart Thermostat User Guide 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.
	Trane ComfortLink II XL1050 Smart Thermostat User Guide 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>Trane TCONT624AS42DA Touchscreen Comfort Control User Guide</p> <p>User guide for the Trane TCONT624AS42DA Touchscreen Comfort Control, detailing features, operation, user settings, scheduling, Z-Wave network integration, firmware upgrades, and compliance information. Includes instructions for setup and remote access via Nexia Home Intelligence.</p>
	<p>Trane TCONT624AS42DA Touchscreen Comfort Control User Guide</p> <p>User guide for the Trane TCONT624AS42DA Touchscreen Comfort Control, covering features, operation, user settings, scheduling, Z-Wave enrollment, firmware upgrades, warranty information, and FCC/IC compliance notices.</p>
	<p>Trane ComfortLink II XL 850 Connected Control User Guide</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>