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Carrier SYSTXCCITC01-B

Carrier Infinity SYSTXCCITC01-B Thermostat User Manual

Touch Screen Programmable WiFi Thermostat

INTRODUCTION

This manual provides detailed instructions for the installation, operation, maintenance, and troubleshooting of your Carrier Infinity SYSTXCCITC01-B Touch Screen Programmable WiFi Thermostat. Please read this manual thoroughly before using the device to ensure proper functionality and to maximize its benefits.



Figure 1: Front view of the Carrier Infinity SYSTXCCITC01-B Thermostat, displaying current room temperature and weather information.

KEY FEATURES

The Carrier Infinity SYSTXCCITC01-B Thermostat offers advanced features for optimal home comfort and energy efficiency:

- **Full-color touch screen:** Provides an intuitive user interface with photo upload capability.
- **Intuitive, on-screen prompts:** Guides users through settings and operations.
- **Local weather 5-day forecast:** Displays current and upcoming weather conditions.
- **Occupancy sensing:** Automatically adjusts system settings for comfort or energy savings when you are away.

- **Remote access:** Control your system via the Internet using Apple and Android smartphone or tablet devices.
- **Humidity Management:** Manages humidity levels for enhanced indoor comfort.
- **Indoor Air Quality Control:** Integrates with compatible systems to manage ventilation and air purification.
- **Energy Tracking and Reporting:** Monitors and reports energy usage to help optimize savings.

SETUP AND INSTALLATION

Professional installation by a certified HVAC technician is highly recommended for this device to ensure proper wiring and system integration. This section provides a general overview of the setup process.

Pre-Installation Checklist:

- Ensure power to the HVAC system is turned off at the circuit breaker.
- Confirm compatibility with your existing HVAC system.
- Gather necessary tools (screwdriver, wire strippers, drill if needed).

Mounting the Thermostat:

1. Carefully remove your old thermostat, noting the wiring connections.
2. Mount the new thermostat base plate to the wall using the provided screws.
3. Connect the system wires to the corresponding terminals on the new thermostat base. Refer to the wiring diagram provided with your installation kit.
4. Secure the thermostat display unit onto the base plate.



Figure 2: The Carrier Infinity SYSTXCCITC01-B Thermostat installed on a wall, ready for operation.

Initial Power-Up and Configuration:

1. Restore power to the HVAC system.
2. The thermostat will power on and guide you through initial setup steps, including date, time, and system type configuration.
3. Connect to your home's Wi-Fi network by navigating to the network settings on the touch screen.
4. Register your device with the Carrier Home app for remote access and advanced features.

OPERATING INSTRUCTIONS

The Infinity SYSTXCCITC01-B thermostat features an intuitive touch screen interface for easy control of your home's climate.

Main Screen Overview:

The main screen typically displays the current room temperature, desired setpoint, system mode (Heat, Cool, Auto, Off), fan status, and local weather forecast.

Adjusting Temperature:

- Tap the temperature display on the screen.
- Use the up/down arrows or slide the temperature bar to adjust the setpoint.
- Confirm your selection.

Changing System Mode:

- Tap the 'Mode' button on the screen.
- Select your desired mode: **Heat**, **Cool**, **Auto** (switches between heating and cooling as needed), or **Off**.

Fan Control:

- Tap the 'Fan' button.
- Choose between **Auto** (fan runs only when heating/cooling), **On** (fan runs continuously), or specific fan speeds if available.

Scheduling:

The thermostat allows for programmable schedules to optimize comfort and energy savings based on your daily routine.

1. Access the 'Schedule' menu from the main screen.
2. Create or modify daily schedules for different times (e.g., Wake, Away, Home, Sleep).
3. Set desired temperatures for each period.

Remote Access via Mobile App:

Download the Carrier Home app from your device's app store (Apple App Store or Google Play Store). Once installed and linked to your thermostat, you can:

- Adjust temperature settings remotely.
- Change system modes and fan settings.
- Monitor energy usage and receive alerts.
- Manage multiple zones if applicable.



Figure 3: A smartphone displaying the Carrier Home app interface, showing detailed energy usage statistics for the thermostat.

MAINTENANCE

The Carrier Infinity SYSTXCCITC01-B thermostat requires minimal maintenance. Regular checks ensure optimal performance and longevity.

Cleaning the Screen:

- Use a soft, damp cloth to gently wipe the touch screen.
- Avoid abrasive cleaners or sprays directly on the screen.

System Filter Replacement:

While the thermostat itself does not have a filter, it can remind you when to replace your HVAC system's air filter. Refer to your HVAC system's manual for filter replacement instructions.

Software Updates:

Ensure your thermostat's software is up to date. Updates are typically delivered automatically via Wi-Fi. Check the thermostat's settings menu for software version and update options.

TROUBLESHOOTING

This section addresses common issues you might encounter with your Carrier Infinity SYSTXCCITC01-B thermostat.

Problem	Possible Cause	Solution
Thermostat screen is blank.	No power to the thermostat.	Check circuit breaker for your HVAC system. Ensure thermostat is properly seated on its base.
HVAC system not responding to thermostat.	Incorrect wiring, system mode, or power issue.	Verify system mode (Heat/Cool/Auto/Off). Check wiring connections (professional assistance recommended). Ensure power is on.

Problem	Possible Cause	Solution
Wi-Fi connection lost.	Router issue, incorrect Wi-Fi password, or signal interference.	Restart your Wi-Fi router. Re-enter Wi-Fi credentials on the thermostat. Ensure thermostat is within Wi-Fi range.
Inaccurate temperature readings.	Thermostat exposed to direct sunlight or drafts.	Ensure thermostat is not in direct sunlight or near heat sources/vents.

If you continue to experience issues, please contact Carrier customer support or a certified HVAC technician.

SPECIFICATIONS

Detailed technical specifications for the Carrier Infinity SYSTXCCITC01-B Thermostat:

- Model Number:** SYSTXCCITC01-B
- Color:** Black
- Product Dimensions:** 19.05 x 13.97 x 6.35 cm (7.5 x 5.5 x 2.5 inches)
- Item Weight:** 0.28 g (0.01 ounces)
- Voltage:** 24 Volts
- Connectivity Technology:** Wi-Fi
- Special Features:** Programmable, Touch Screen, Remote Access, Occupancy Sensing, Local Weather Forecast, Energy Tracking
- Power Source:** Powered by connection to major system components, Battery free
- Controller Type:** Android (compatible with Android/Apple devices for app control)
- Shape:** Rectangular

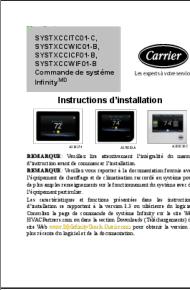
SUPPORT AND WARRANTY

For technical assistance, product registration, or warranty information, please contact Carrier customer support.

- Online Support:** Visit the official Carrier website for FAQs, support documents, and contact information.
- Professional Service:** For installation or complex issues, contact a certified Carrier HVAC technician.

Specific warranty details are typically provided with your purchase documentation. Please retain your proof of purchase for warranty claims.

Related Documents - SYSTXCCITC01-B

	<p><u>Carrier Infinity System Control Version 4.47 Release Notes and Update Guide</u></p> <p>This document provides release notes for Carrier's Infinity System Control software, version 4.47, dated August 14, 2023. It details software updates, new features, and bug fixes for Series B Infinity System Control models, enhancing performance and user experience for Carrier's smart HVAC systems.</p>
	<p><u>Carrier Infinity System Installation Instructions</u></p> <p>Comprehensive installation guide for the Carrier Infinity System, covering setup, wiring, configuration, and troubleshooting for various components like thermostats, furnaces, air conditioners, and humidifiers.</p>
	<p><u>Carrier Infinity System Control: Product Data, Features, and Specifications</u></p> <p>Detailed product data for the Carrier Infinity System Control (models SYSTXCCITC01-C, SYSTXCCWIC01-B, SYSTXCCICF01-B, SYSTXCCWIF01-B), including features, benefits, specifications, compatibility, and accessories for advanced home comfort management.</p>
	<p><u>Carrier Infinity System Control Series B Version 3.94 Release Notes</u></p> <p>This document provides release notes for the Carrier Infinity System Control Series B, version 3.94. It details software updates, bug fixes, and new features for various versions, including 3.94, 3.62, 3.61, 3.60, 3.40, 3.01, 3.00, 2.40, 2.00, 1.32, 1.31, and 1.30. It also includes installation instructions for software updates.</p>
	<p><u>Carrier Infinity System Control Installation Instructions</u></p> <p>Comprehensive installation guide for Carrier's Infinity System Control models SYSTXCCITC01-B, SYSTXCCWIC01-B, SYSTXCCICF01-B, and SYSTXCCWIF01-B. Covers setup, wiring, commissioning, and service procedures for advanced HVAC systems.</p>
	<p><u>Carrier Infinity Touch Control Owner's Manual</u></p> <p>This owner's manual provides comprehensive instructions for the Carrier Infinity Touch Control (models SYSTXCCITW01-A, SYSTXCCITN01-A, SYSTXCCITC01-A), detailing its features, setup, programming, and operation for optimal home comfort and energy management.</p>