

TC-WHS01 Comfort™ Series Carrier® Wi-Fi® Thermostat



Product Data



Fig. 1 - Carrier® Wi-Fi® Thermostat

A13335

INTRODUCTION

The Carrier® Wi-Fi® Thermostat offers convenience and affordability in one wall-mounted thermostat. It is designed to be compatible with a number of HVAC system types and brands making it easier for you to upgrade to the convenience of remote access control. But this thermostat is about more than giving you remote access. It's also about helping you save money on utility costs through programming design, smart recovery, and energy use reporting. You can see when you're spending the most on utility costs and tailor your settings to reduce your energy use. And, when you're not home, this thermostat monitors your home's energy use, your comfort preferences, and the weather forecast to make intelligent decisions on efficiency and comfort for your return home.

FEATURES/BENEFITS

- Remote access via Internet portal or smartphone apps through Wi-Fi® connectivity
- Full color, backlit display with push button control
- Indoor humidity sense and display
- Local 4-day weather forecast
- Intelligent software reduces energy use and utility costs
- Energy use tracking via web portal
- HVAC system alerts and maintenance reminders display dealer contact information
- 7-day programmability with quick save mode
- Hybrid Heat® system compatible
- Active screen display back-lighting is configurable 1-10
- Idle screen display configurable from off (0) to 10
- Non-volatile memory to retain settings during a power outage

- English/metric units selection
- Access control (lockout) to settings
- Configurable setpoint limits

PRODUCT DATA INFORMATION

Equipment Capability

- 24VAC (low voltage) systems
- Up to 2 stages of heat (for conventional systems) OR
- Up to 3 stages of heat for heat pump/Aux heat systems
- And up to 2 stages of cool
- Compatible with Hybrid Heat® dual-fuel systems
- Geothermal systems
- Boiler/hot water system
- Solar heating system

Physical Characteristics

- Dimensions: See drawing
- Mounting: Horizontal

Electrical

- Input volts/amps: 24VAC, 3 VA minimum, RC/RH compatible

Environment

- Operating temperature/Relative humidity: 32°F (0°C) to 130°F (50°C), 95% RH non-condensing
- Storage temperature/Relative humidity: -40°F (-40°C) to 134°F (57°C), 95% RH non-condensing

Wiring Requirements

- Standard 18 to 22 gauge, local wiring codes supersede.

OPERATIONAL INFORMATION

Heating / Cooling Setpoints

The heating setpoint range is 45°F (17°C) to 79°F (26°C). a selectable range of 2 - 10°F (5°F default) is enforced between heating and cooling setpoint temperatures. This is done by allowing one setting to "push" the other to maintain this difference. (This difference is adjustable in setting.)

Compressor Time Guard

This timer prevents the compressor from starting unless it has been off for at least 4 - 15 minutes. This is an adjustable timer.

Equipment On Indicators

When cooling equipment is ON, a COOL ON icon ❄️ is displayed. When heating equipment is ON, a HEAT ON icon 🔥 is displayed. When auxiliary heating is ON (HP only), an AUX text is displayed.

Aux. Heat Mode

When the thermostat is controlling a heat pump, it will control aux heat based on Max Outdoor Temperature. It configures the maximum outdoor temperature threshold. Above this level, the auxiliary heat will not be activated. The temperature is adjustable from 0 to 80° F (26.5° C) in increments of 0.5° F (0.3° C). The default value is 70° F (21° C).

Smart Recovery

The Carrier Wi-Fi Thermostat will start heating/cooling at the optimum time to ensure the set point is reached at the programmed time. Random Start (Heat/Cool) option will delay the smart recovery start time for the heating/cooling call based on the selection as the maximum. Can be disabled or up to 60 minutes delay. In applications with multiple systems, this prevents all systems from activating at the same time.

REMOTE CONNECTIVITY

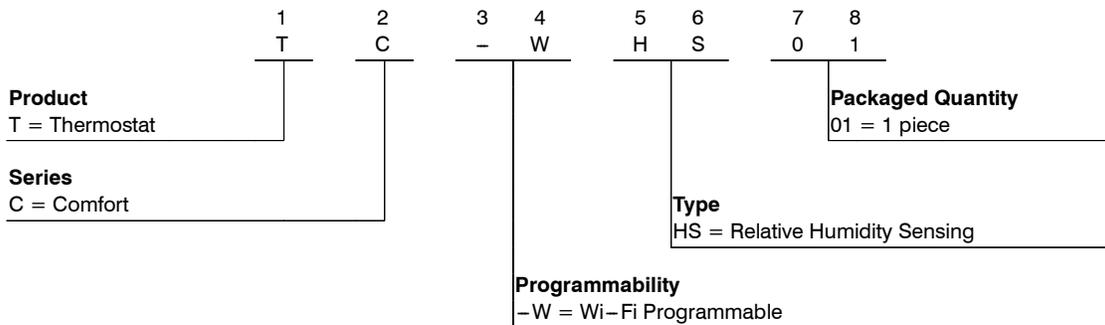
Compatibility

- Broadband Internet
- 802.11 b/g/n Wi-Fi® network

Remote Access

The Carrier Wi-Fi Thermostat features remote access that allows you the freedom to manage and track your home energy consumption anytime and from anywhere. Whether you're utilizing your personal Carrier Web Portal through a desktop computer, a tablet or one of Carrier's advanced Mobile Phone apps, the power to manage your monthly energy usage is literally right in your own hands. Visit www.carrier.com/myhome from your Internet-connected device to access your personalized web portal or download the free Carrier Wi-Fi App for your smartphone.

MODEL NUMBER NOMENCLATURE



DIMENSIONS

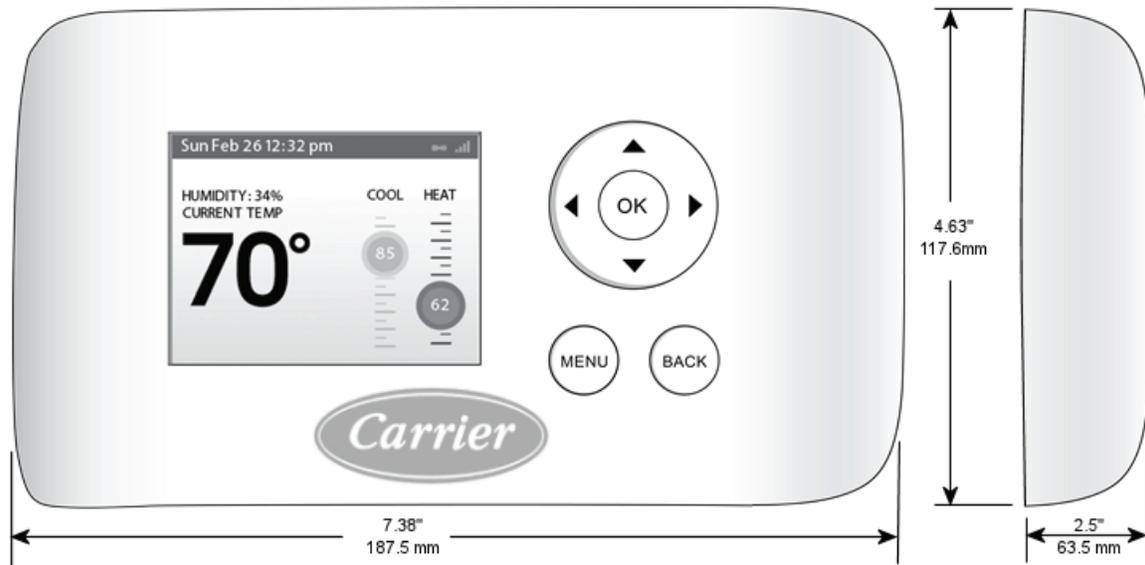


Fig. 2 - Carrier Wi-Fi Thermostat Dimensions

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ACCESSORIES

Part Number	Description
TS-1PE01	Power Extender kit for TC-WHS01 Thermostat

Wi-Fi® is a registered trademark of the Wi-Fi Alliance®