

Product Data



NOTE: Infinity Control compatible with Infinity rated indoor equipment only.

INFINITY™ CONTROL

Carrier specializes in creating a customized home comfort system tailored to your needs with our broad selection of residential heating and cooling products. The Infinity Control System is the ultimate control center for all of your system components. When you add an Infinity Control to a compatible variable speed furnace, fan coil, or small packaged product, you will enjoy longer heating and cooling cycles at lower fan speeds for a more consistent temperature throughout your home. By adding an Infinity or Performance compatible outdoor unit, your benefits will increase even more. Benefits include better humidity and temperature control as well as a more energy efficient comfort system.

INDUSTRY LEADING

FEATURES / BENEFITS

Carrier's revolutionary Infinity Control is the smart control of the future. The Infinity Control features a backlit liquid crystal display, making it easier to read the temperatures, even at night. Intuitive prompts let you program everything from humidity levels to fan speeds, giving you the ultimate control over your home comfort. Other features include.

- 4-wire installation from each component in the system
- Intuitive on screen prompts for ease of installation and service
- *Ideal Humidity™* settings are the default no longer requiring increased system setup
- Complete integration of the temperature, humidity and ventilation in every season
- 7-day programmability with 2 or 4 periods per day
- Easy timed-override schedule
- Simplified vacation schedules
- Day-at-a-glance programming for simplified ease of use
- Programmable fan by period
- TrueSense™ Dirty Filter Detection
- Indoor Air Quality pop up reminders
- General maintenance reminder messaging
- Optional Remote Access Kit can be added for access to your system from the internet or phone.

MODEL NUMBER NOMENCLATURE

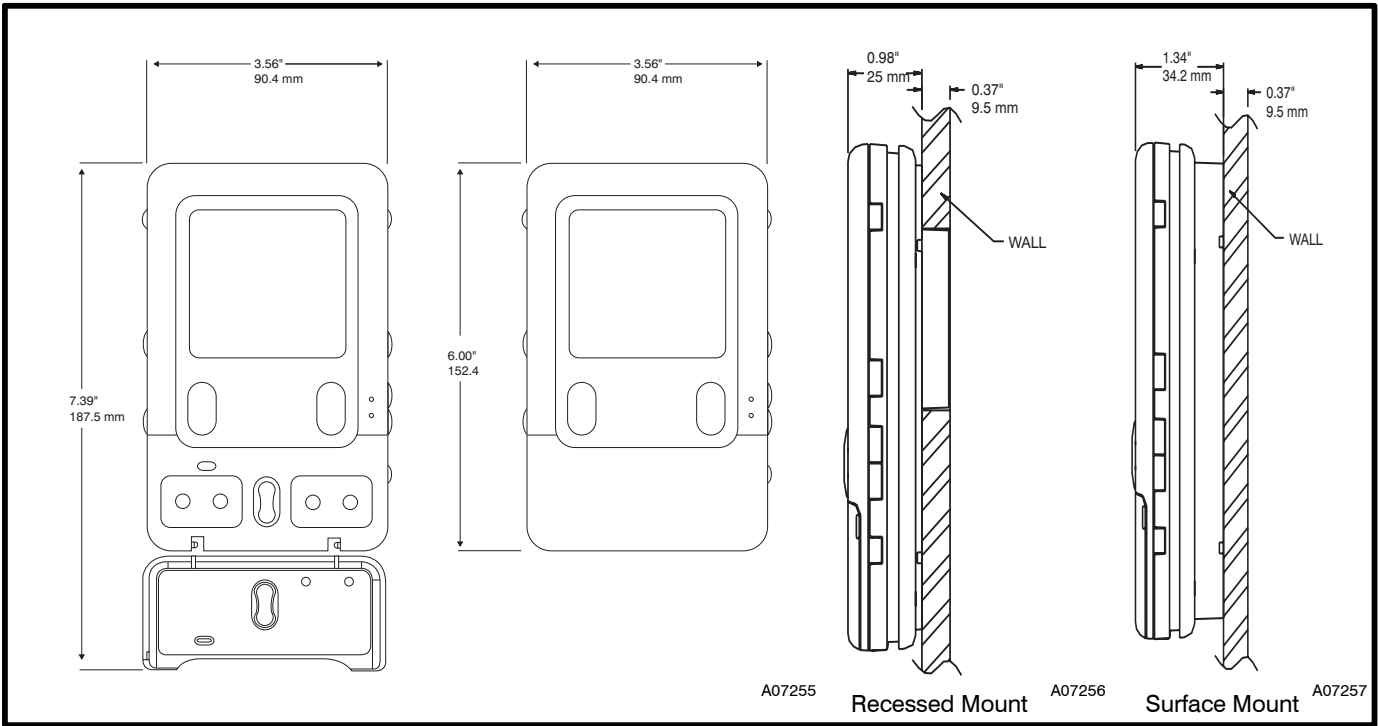
SYSTX	CC	UID	01	-B
Product Type	Brand	Model Type	Packaged Quantity	Software Version
Infinity System	Carrier	UID - User Interface Deluxe NIM - Network Interface Module SAM - System Access Module		



As an Energy Star® Partner, Carrier Corporation has determined that this product meets the ENERGY STAR® guidelines for energy efficiency



SYSTXCCUID01--B



PRODUCT DATA INFORMATION

Compatible Communicating Products

Air Conditioning units - 24AN1, 24ANA7, 24APA5, 24APA3
 Heat Pumps - 25HNA6, 25HNA9, 25HPA3, 25HPA4, 25HPA5
 Gas Furnace - 58MVB, 58MVC, 58CVA, 58UVB
 Fan Coils - FE
 Small Packaged Products - 50XL/XT, 50DU/DT, 50CE/CR, 48XL/XT, 48DU/DT, 48CE

Physical Characteristics

Dimensions: See drawing

Appearance: Plastic, white color, textured

Electrical Characteristics/Communication

Input Volts/Amps 24VAC

Each device in the Infinity System has a four-pin connector labeled ABCD. It is recommended that the following color code be used when wiring each device:

- A — Green = Data A
- B — Yellow = Data B
- C — White = 24VAC (Com)
- D — Red = 24VAC (Hot)

Environmental Requirements:

Operating Temperature/Relative Humidity:

User interface and all sensors: 32°F to 104°F / 0°C to 40°C, 95% rh non-condensing

Storage Temperature/Relative Humidity:

User interface: - 40°F to 134°F / -40°C to 56.7°C, 95% rh non-condensing

Feature Specifications:

Temperature set point range: 40°F to 90°F / 4.4°C to 32.2°C
 Separate heat and cool setpoints
 Programming days: 7 day
 Programming periods:
 2-Day, Sleep
 4-Wake, Day, Eve, Sleep
 Non-Programmable
 Auto changeover (may be disabled)
 Programmable fan (installer selectable)
 Humidity Sensor Offsets
 Auto Changeover Timer (installer adjustable)
 Smart Recovery (in heating and cooling)
 Hold function
 Copy functions: Copy period, day and zone
 Permanent memory
 Humidity display and control
 Temperature sensor offsets (indoor and outdoor)
 TrueSense™ Dirty Filter Detection

Wiring Requirements:

Power supply: Dedicated 24VAC, 40 va, 60 Hz, via indoor equipment ABCD Connector. Isolated transformer, field supplied.

Wiring material: Standard thermostat wire 18 to 24 gauge.

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Equipment

Description	Part No.
Infinity Control (4-Wire User Interface w/ multiple functionality)	SYSTXCCUID01-B
Infinity Network Interface Module (NIM)	SYSTXCCNIM01*

* Required for ventilator control
 Required for HybridHeat applications with non-communicating heat pumps
 Required for use with 2-stage (non-communicating) AC or HP (38TDB/38YDB)

Optional Accessories

Description	Part No.
Infinity Remote Room Sensor	SYSTXCCRRS01*
Infinity Damper Control Module	SYSTXCC4ZC01
Infinity Large Decorative Backplate	SYSTXX0LBP01†
10 Pack Replacement - Green Indoor Unit Plug (ABCD Connector)	SYSTXGRPLG10
Infinity System Access Module (Remote Access Kit, Skytel-based)	SYSTXCCSAM01
Infinity System Access Module (Remote Access Kit, Ethernet)	SYSTXCCCAT501
Infinity System Access Module (Remote Access Kit, WiFi-Ethernet)	SYSTXCCWIFI01

* Not required, but may be used to remote sense indoor room temperature.

† Backplate dimensions - 5.75" (146 mm) wide x 6" (152 mm) high.

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