NOTE: Infinity Control compatible with Infinity rated indoor equipment only.
MODEL NUMBER NOMENCLATURE

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Product Type
Infinity System

Brand
Carrier

Software Version
-V

Packaged Quantity
01

Model Type
- UID - User Interface Deluxe
- NIM - Network Interface Module
- RCT - System Access Module (CAT5)
- RWF - System Access Module (WiFi)

Fig. 1 - Unit Dimensions
PRODUCT DATA INFORMATION

Compatible Communicating Products
- Air Conditioning units - 24ANB1, 24ANB7, 24ANB6
- Heat Pumps - 25VNA, 25HNBS
- Gas Furnace - 58MVB, 58MVC, 58CVA, 58CVX
- Fan Coils - FE
- Small Packaged Products - 50XL/XT, 48XL/XT

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
- 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.

## EQUIPMENT

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>PART NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Infinity Control (4-Wire User Interface w/ multiple functionality)</td>
<td>SYSTXCCUID01–V</td>
</tr>
<tr>
<td>Infinity Network Interface Module (NIM)</td>
<td>SYSTXCCNIM01*</td>
</tr>
</tbody>
</table>

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

## OPTIONAL ACCESSORIES

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>PART NO.</th>
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<tbody>
<tr>
<td>Infinity Remote Room Sensor</td>
<td>SYSTXCCRRS01*</td>
</tr>
<tr>
<td>Infinity Large Decorative Backplate</td>
<td>SYSTXX0LB001</td>
</tr>
<tr>
<td>10 Pack Replacement – Green Indoor Unit Plug (ABCD Connector)</td>
<td>SYSTXGRPLG10</td>
</tr>
<tr>
<td>Infinity System Access Module (Remote Access Kit, Wired, CAT5)</td>
<td>SYSTXCCRCT01</td>
</tr>
<tr>
<td>Infinity System Access Module (Remote Access Kit, Wireless WiFi)</td>
<td>SYSTXCCRWF01</td>
</tr>
<tr>
<td>Outdoor Sensor</td>
<td>TSTATXXSEN01–B</td>
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</table>

* Not required, but may be used to remote sense indoor room temperature.
† Backplate dimensions - 5.75" (146 mm) wide x 6" (152 mm) high.