# i-Vu® Building Automation System
## i-Vu® System Touch
Part Number: SYST1-4-CAR

Carrier's i-Vu System Touch is an integrated component of the i-Vu Building Automation System. It features an illuminated, 4.3" color pixel touchscreen display and connects directly to a network of Open (BACnet MS/TP), controllers. Designed for wall mounting, it provides building occupants, facility managers, and installers a powerful user interface for managing all of the equipment in a building.
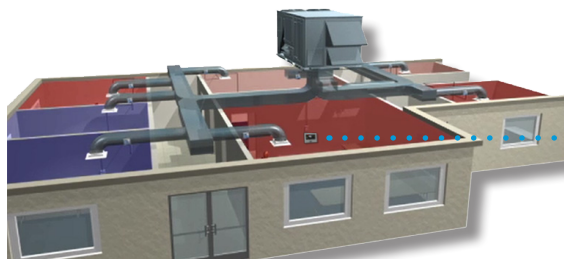
## Hardware Features

- Illuminated 4.3", 480 x 272 color pixel touchscreen display (no buttons)

- Built-in temperature and humidity sensing

- Supports remote thermistor sensor (such as Carrier T55)

- Connects directly to one Carrier Open (BACnet MS/TP) network and manages up to 60 Open controllers through a single touchscreen

- Intuitive icon-driven / website-like screen navigation

- Default system screens such as scheduling and trends support international languages

- Ideal for multi-zone commercial applications such as office buildings and retail stores

## For Building Occupants

- View current space temperature

- View operating mode (heat/cool/economizer)

- Change setpoints easily

- Initiate timed local overrides

## For Facility Managers

- Multi-level password protection for security

- Home screen shows temperatures and colors for all equipment in the building within a single view

- Convenient "Snapshot" screens show graphic and status for each piece of equipment in the building

- Manage schedules, trends, alarms, and configuration for all equipment in the system

- Configure individual and group schedules easily

- View, acknowledge, and delete system alarms from a single screen; audible indicator for all alarms

## For Installers

- Simple 4-wire installation

- Auto-discovers all Open controllers on the BACnet MS/TP network

- Screen files can be auto-uploaded on select controllers[1], customized, or created from scratch

- Create customized screen files for navigating the entire system

- Startup wizard and integrated help screens to assist with equipment start-up & commissioning

[1]For a complete list of controllers that include i-Vu Touch files, visit www.HVACPartners.com.

Rooftop Status          Zone Status          System Status

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## Specifications

| | |
|---|---|
| **Power** | 24 Vac (±15%), 5 VA, 50-60 Hz, Class 2 |
| **Display** | 4.3 in. resistive touchscreen color LCD display with backlighting, 480x272 pixels |
| **Communication Ports** | **BACnet MS/TP:** 2-wire EIA-485 port for connection to the Open controller network<br>**Sensor:** for connecting an optional remote thermistor sensor (like Carrier T55)<br>**USB port:** for firmware upgrades |
| **Real-Time Clock** | A 365-day real time clock/calendar. Time and date will be maintained for a minimum of 72 hours after loss of power (at room temperature). |
| **Audible Alarm Notification** | A piezoelectric sounder |
| **Temperature Sensor** | **Range:** -4°F to 140°F (-20°C to 60°C)<br>**Accuracy over 30°F to 100°F (-1°C to 38°C):** ±1.0°F (±0.55°C)<br>**Accuracy over full range:** ±2.0°F (±1.1°C)<br>**Resolution:** 0.2°F (0.1°C) |
| **Humidity Sensor** | **Range:** 0 to 100% RH<br>**Accuracy over 20 to 80% RH:** ±3.0% RH<br>**Accuracy over full range:** ±5.0% RH<br>**Resolution:** 0.05% RH |
| **Environmental Operating Range** | -4ºF to 140ºF (-20ºC to 60ºC),<br>10–90% RH, non-condensing |
| **Mounting** | Mounting plate included for mounting to wall or electrical junction box |
| **Dimensions** | **Overall**<br>**Width:** 5.44 in. (13.82 cm)<br>**Height:** 4.55 in. (11.56 cm)<br>**Depth:** 1.24 in. (3.15 cm)   **Mounting Plate**<br>**Width:** 4.79 in. (12.2 cm)<br>**Height:** 3.94 in. (10 cm)   **Display Only**<br>**Width:** 3.75 in. (9.5 cm)<br>**Height:** 2.25 in. (5.7 cm) |
| **Weight** | 8 oz. (0.23 kg) |
| **Listed By** | UL-916 (PAZX), CE, FCC Part 15-Subpart B-Class A |
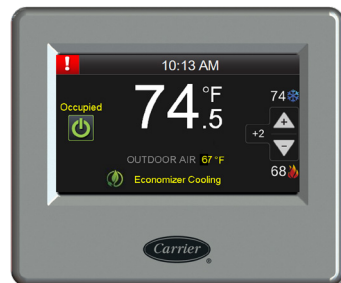


Home Screen



Schedules Screen



Start-up Wizard

For more information, contact your local Carrier Controls Expert.

Controls Expert Locator:
www.carrier.com/controls-experts