The i-Vu® Building Automation System provides everything you need to access, manage, and control your building, including the powerful i-Vu user interface, plug-and-play BACnet controllers, and state-of-the-art Carrier equipment.

The UC Open controller provides auxiliary building control to interface with lighting, fans, pumps, and other HVAC equipment. The UC Open's factory-engineered control programs provide simple building integration for commercial applications with 11 I/O point capability.

Application Features

- Comprehensive library of factory-engineered control programs available, including: Pump Control, Lighting Control, Time Scheduling with/without Override, Analog Temperature Control, Discrete & Permissive Interlock, Discrete Staging Control, OA Conditions, BTU Metering, Fuel Oil Metering, Electric Metering, Gas Metering, and Water Metering
- Supports Snap graphical programming for creating customized control programs
- Supports Carrier communicating room sensors, which allow for local setpoint adjustment and local overrides

Hardware Features

- Real time-clock keeps time in the event of power failure
- Stand-alone control of up to 11 I/O points using proven algorithms
- Native BACnet MS/TP or ARCNET communications

System Benefits

- Fully plug-and-play with the Carrier i-Vu Building Automation System
- Supports demand limiting for maximum energy savings

Sample Applications

- Electric Meter
- Lighting
- Exhaust Fans
# i-Vu® Building Automation System

## UC Open Controller

**Part Number:** OPN-UC

## BACnet Support

- Advanced Application Controller (B-AAC), as defined in BACnet 135-2001 Annex L

## Communication Ports

- **BACnet port:** EIA-485 port for BACnet MS/TP communications (9600 bps, 19.2 kbps, 38.4 kbps, & 76.8 kbps) or ARCNET 156 kbps;
- **Local Access port:** For system start-up and troubleshooting (115.2 kbps);
- **Rnet port:** For connecting Carrier communicating room sensors and Carrier’s touchscreen user interface

## Inputs

- **6 inputs:** Configurable for thermistor or dry contact. Inputs 1 and 2 are also configurable for 0–5 VDC sensors. AI’s have 12 bit A/D resolution.

## Outputs

- **5 binary outputs:** Relay contacts rated at 1 A max. @ 24 VAC/VDC, configured normally open

## Protection

- Incoming power and network connections are protected by non-replaceable internal solid-state polyswitches that reset themselves when the condition that causes a fault returns to normal. The power, network, input, and output connections are also protected against voltage transient and surge events.

## Real Time Clock

- Battery-backed real time clock keeps track of time in event of power failure

## Battery

- 10-year Lithium CR2032 battery provides a minimum of 10,000 hours of trend data & time retention during power outages

## Status Indicators

- LED status indicators for communications, run status, error, and power

## Controller Addressing

- Rotary DIP switches set BACnet MS/TP or ARCNET address of controller

## Listed by

- UL-916 (PAZX), cUL-916 (PAZX7), FCC Part 15- Subpart B-Class A, CE EN50082-1997

## Environmental Operating:

- **Operating:** 0 to 140°F (-18 to 54°C), 10–90% relative humidity, non-condensing
- **Storage:** -24 to 140°F (-30 to 60°C), 10–90% relative humidity, non-condensing

## Power Requirements

- **24VAC ± 10%, 50-60Hz**
- **18 VA power consumption**
- **26VDC (25V min, 30V max)**
- Single Class 2 source only, 100 VA or less

## Dimensions

<table>
<thead>
<tr>
<th>Overall</th>
<th>5-5/8” (14.3cm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mounting</td>
<td>5-1/8” (13 cm)</td>
</tr>
<tr>
<td>C:</td>
<td>5-1/4” (13.3 cm)</td>
</tr>
<tr>
<td>D:</td>
<td>2-9/16” (6.5 cm)</td>
</tr>
<tr>
<td>E:</td>
<td>3/16” (.5 cm)</td>
</tr>
<tr>
<td>Depth:</td>
<td>2” (5.1 cm)</td>
</tr>
<tr>
<td>Weight:</td>
<td>.44 lbs. (0.20 kg)</td>
</tr>
</tbody>
</table>