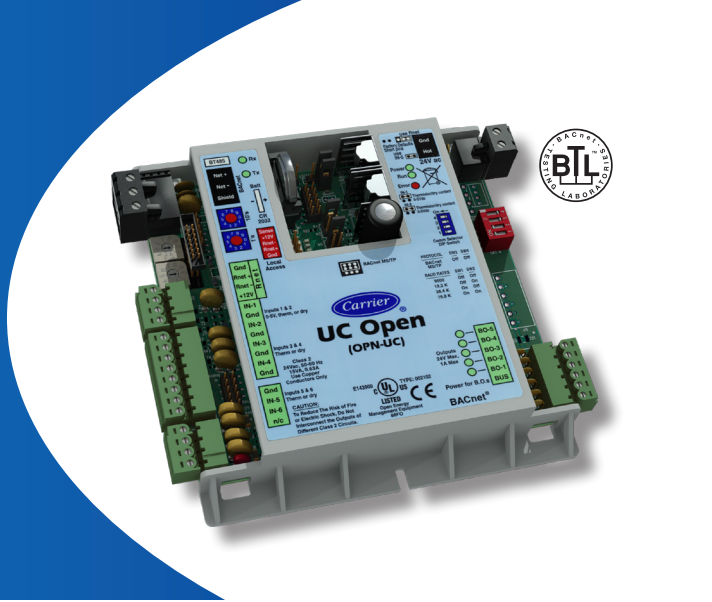




# i-Vu® Building Automation System UC Open Controller

Part Number: OPN-UC



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

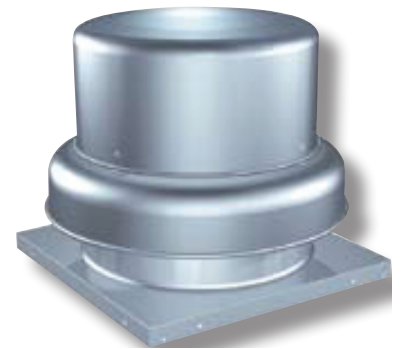
## Sample Applications



Electric Meter



Lighting



Exhaust Fans

# i-Vu<sup>®</sup> Building Automation System

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### Specifications

<b>BACnet Support</b>	Advanced Application Controller (B-AAC), as defined in BACnet 135-2001 Annex L Protocol rev. 9
<b>Communication Ports</b>	<p><b>BACnet port:</b> EIA-485 port for BACnet MS/TP communications (9600 bps, 19.2 kbps, 38.4 kbps, &amp; 76.8 kbps) or ARCNET 156 kbps;</p> <p><b>Local Access port:</b> For system start-up and troubleshooting (115.2 kbps);</p> <p><b>Rnet port:</b> For connecting Carrier communicating room sensors and Carrier's touchscreen user interface</p>
<b>Inputs</b>	<b>6 inputs:</b> 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.
<b>Outputs</b>	<b>5 binary outputs:</b> Relay contacts rated at 1 A max. @ 24 VAC/VDC, configured normally open
<b>Protection</b>	Incoming power and network connections are protected by non-replaceable internal solid-state polswitches 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.
<b>Real Time Clock</b>	Battery-backed real time clock keeps track of time in event of power failure
<b>Battery</b>	10-year Lithium CR2032 battery provides a minimum of 10,000 hours of trend data & time retention during power outages
<b>Status Indicators</b>	LED status indicators for communications, run status, error, and power
<b>Controller Addressing</b>	Rotary DIP switches set BACnet MS/TP or ARCNET address of controller
<b>Listed by</b>	<p><b>United States:</b> FCC compliant to Title CFR47, Part 15, Subpart B, Class A; UL Listed, File E143900; CCN PAZX, UL 916, Energy Management Equipment; <b>ANZ:</b> RCM Mark AS/NZS 61000-6-3; <b>Canada:</b> UL Listed File E143900, CCN PAZX7, CAN/CSA C22.2 No. 205 Signal Equip., Industry Canada Compliant ICES-003, Class A; <b>CE Mark</b> Compliant with 2014/30/EU, and RoHS Compliant: 2015/863/EU; <b>UKCA Mark</b> compliant with Electromagnetic Compatibility Regulations 2016 – Gov.UK and RoHS for Electrical and Electronic Equipment 2012</p>
<b>Environmental Operating Range</b>	<p><b>Operating:</b> 0 to 140°F (-18 to 54°C), 10–90% relative humidity, non-condensing</p> <p><b>Storage:</b> -24 to 140°F (-30 to 60°C), 10–90% relative humidity, non-condensing</p>
<b>Power Requirements</b>	<p>24VAC ± 10%, 50-60Hz</p> <p>18 VA power consumption</p> <p>26VDC (25V min, 30V max)</p> <p>Single Class 2 source only, 100 VA or less</p>

### Dimensions

#### Overall

**A:** 5-5/8 in. (14.3 cm)

**B:** 5-1/8 in. (13 cm)

#### Mounting

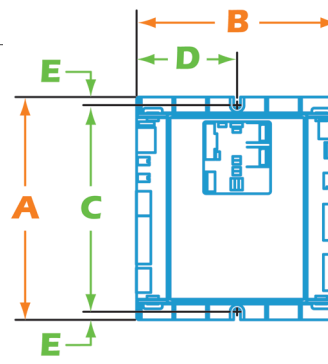
**C:** 5-1/4 in. (13.3 cm)

**D:** 2-9/16 in. (6.5 cm)

**E:** 3/16 in. (.5 cm)

**Depth:** 2 in. 5.1 cm)

**Weight:** .44 lbs (0.20 kg)



For more information, contact your local Carrier Controls Expert.

Controls Expert Locator:  
[www.carrier.com/controls-experts](http://www.carrier.com/controls-experts)