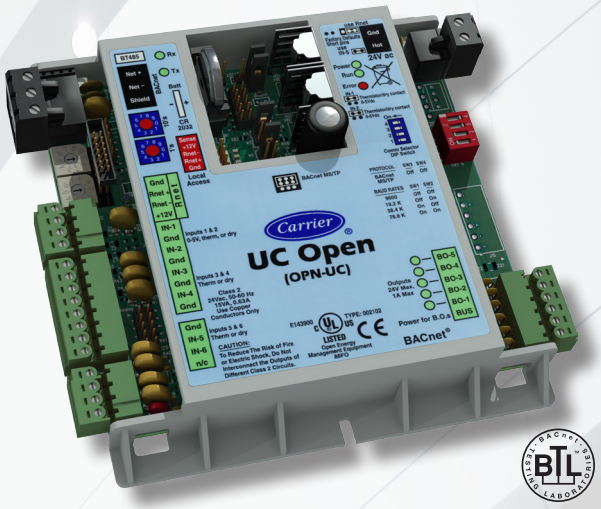
i-Vu® Building Automation System
UC Open Controller

Part Number: OPN-UC

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

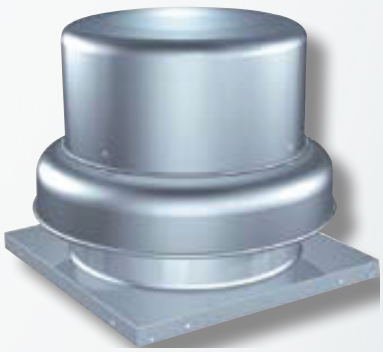
Sample Applications



Electric Meter



Lighting

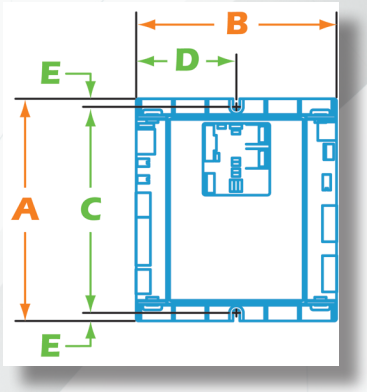


Exhaust Fans

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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 Range	**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	**Overall** **A:** 5-5/8" (14.3cm) **B:** 5-1/8" (13 cm) **Mounting** **C:** 5-1/4'" (13.3 cm) **D:** 2-9/16" (6.5 cm) **E:** 3/16" (.5 cm) **Depth:** 2" (5.1 cm) **Weight:** .44 lbs. (0.20 kg)



Carrier
United Technologies

CONTROLS EXPERT

Tested. Certified. Factory Authorized.

For more information, contact your local Carrier Controls Expert.
Controls Expert Locator:
www.carrier.com/controls-experts

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