i-Vu® Building Automation System
i-Vu® Link

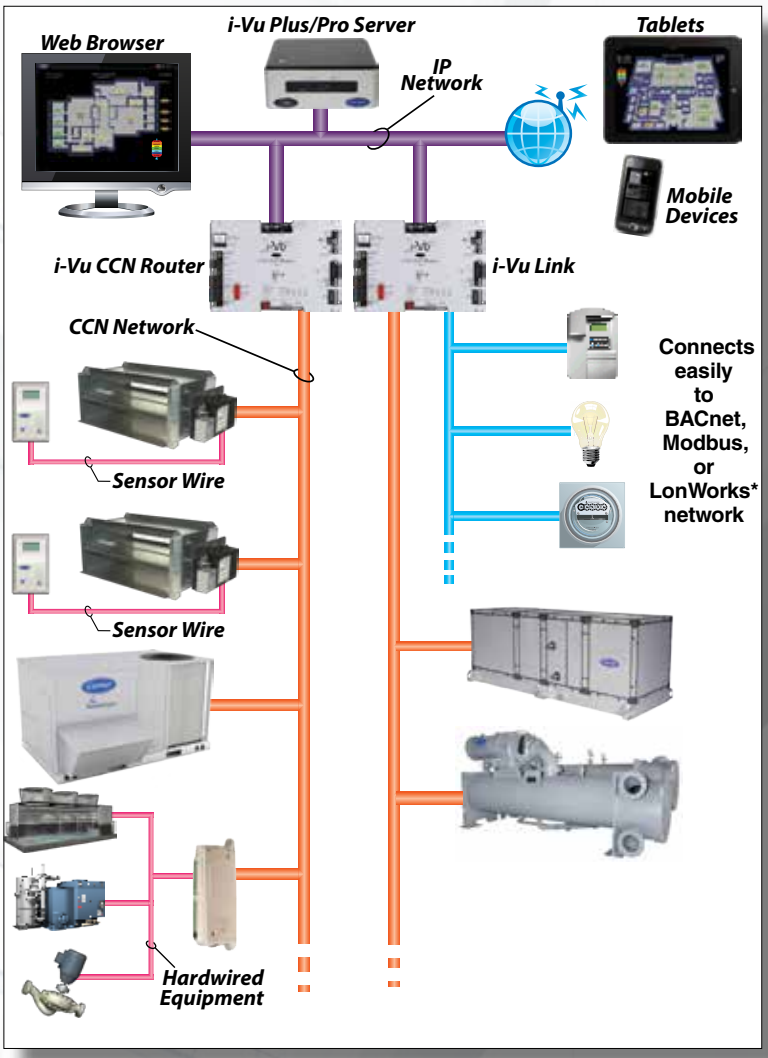
Part Number: CIV-L

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 i-Vu Link allows you to integrate other manufacturers' equipment into the i-Vu Building Automation System. Support for BACnet, Modbus®, and LonWorks® protocols is standard, making it easy to tie in equipment such as VFDs, boilers, and lighting in order to complete your Carrier system. Each i-Vu Link module supports up to 500 third party BACnet, Modbus, or LonWorks points.

The i-Vu Link also provides BACnet routing capabilities between the i-Vu Building Automation System backbone (BACnet/IP), and a subnetwork of Carrier Comfort Network (CCN), controllers. It connects to the Ethernet LAN and provides access to a network of CCN controllers directly from an i-Vu web server that resides on the Ethernet. It also increases the capacity of the i-Vu System by allowing individual CCN networks, with up to 140 CCN controllers each, to be connected together via the i-Vu System backbone. The i-Vu Link also stores trend data and time schedules for the devices that are connected to it.

The i-Vu Building Automation System



Up to 140 CCN devices per i-Vu CCN Router or i-Vu Link
Up to 500 third party points per i-Vu Link

*requires Serial LonTalk Adapter (SLTA-10), available from Echelon Corporation.

VFDs

Boilers

Lighting

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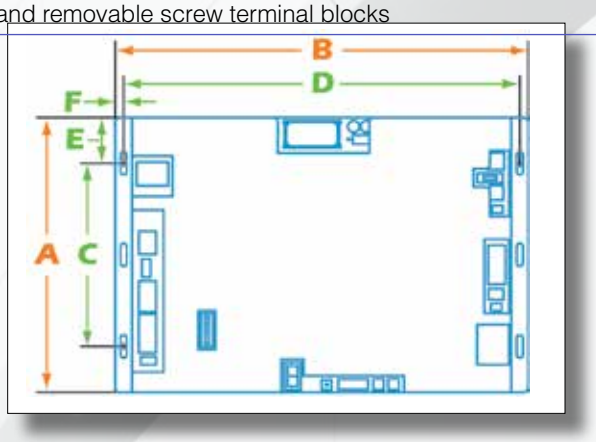
Communication Ports	**Port E1:** 10/100 BaseT Ethernet port for LAN, BACnet IP, and/or Modbus TCP/IP client communications **Port S1:** EIA-485 port for CCN Network and/or CCN Service Tool connection (9600 bps, 19.2 kbps & 38.4 kbps) **Port S2:** Configurable EIA-485/EIA-232 port for third party network connections, including: • BACnet MS/TP @ 9600 bps, 19.2 kbps, 38.4 kbps, & 76.8 kbps • Modbus (RTU & ASCII modes), @ 9600 bps, 19.2 kbps, & 38.4 kbps • LonWorks (requires SLTA-10 adapter) @ 38.4 kbps & 57.6 kbps **NOTE: Ports E1, S1, and S2 can operate simultaneously**
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 and network connections are also protected against voltage transient and surge events.
Real-Time Clock	Battery-backed real-time clock
Battery	10-year Lithium CR123A battery provides a maximum of 720 hours of time retention during power outages. To conserve battery life, battery backup turns off after a specified number of days defined in the module driver.
Status Indicators	LED status indicators for Power, Port S1 (BACnet) communication, Port S2 (Third Party) communication, Ethernet port communication, archive valid, brownout, and low battery status. 7-segment module status display for running, error, and formatting status
Listed by	UL916 (Canadian Std C22.2 No. 205-M1983), CE, FCC Part 15 – Subpart B – Class A
Environmental Operating Range	**Operating:** 0 to 140°F (-18 to 60°C); 10 to 90% RH, non-condensing **Storage:** -24 to 140°F (-30 to 60°C); 10 to 90% RH, non-condensing
Power Requirements	24VAC ± 10%, 50-60Hz, 24 VA power consumption (30 VA with BACview), 26VDC (25V min, 30V max), Single Class 2 source only, 100 VA or less
Physical	Rugged aluminum cover and removable screw terminal blocks
Dimensions	**Overall** **A:** 7-1/2" (19.1 cm) **B:** 11-3/8" (28.9 cm) **Mounting** **C:** 5" (12.7 cm) **D:** 10-7/8" (27.6 cm) **E:** 1-1/4" (3.2 cm) **F:** 1/4" (.6 cm) **Depth:** 1-1/2" (3.8 cm) **Weight:** 1.4 lbs. (.64 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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