



i-Vu® Building Automation System i-Vu® CCN Router



Part Number: CIV-CR

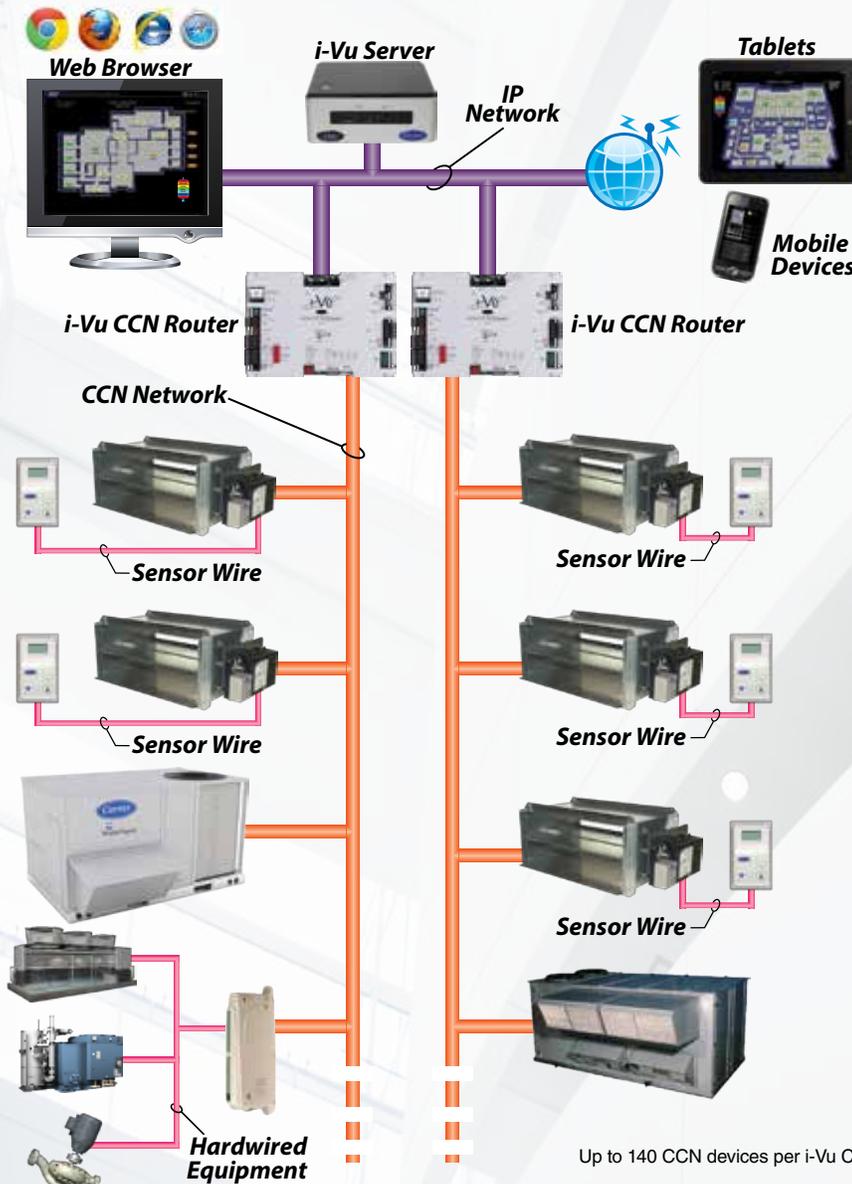
The i-Vu® Building Automation System provides everything you need to access, manage, and control your building, including the powerful i-Vu user interface, plug-and-play BACnet controllers, and state-of-the-art Carrier equipment.

The i-Vu CCN Router provides scalability for larger Carrier systems. It connects an Ethernet-based Local Area Network (LAN) to the Carrier Comfort Network (CCN). The i-Vu CCN Router can be used in two different configurations. It can either serve as a Gateway, where it gives the i-Vu web server residing on the Ethernet LAN access to the entire CCN, or it can function as a Bridge,

where it interfaces with other CCN communication buses in order to extend a CCN within a campus or building. Because the i-Vu CCN Router allows for the use of existing LAN wiring, it is an ideal solution for integrating CCN into any building or facility.

The i-Vu CCN Router has one EIA-485 port for connecting to the CCN bus, and one 10/100Base-T Ethernet port for connecting to the building LAN. Each i-Vu CCN Router can connect to up to 140 CCN devices. The i-Vu CCN Router also stores trend data and time schedules for the CCN devices that are connected to it.

The i-Vu Building Automation System



Up to 140 CCN devices per i-Vu CCN Router



Functions

The i-Vu CCN Router functions in one of the following modes, depending on configuration:

- **Gateway** - Provides access to the CCN bus from an i-Vu web server that resides on the Ethernet. The Router is serving as the access node from the Ethernet to the CCN and is responsible for maintaining a routing table of CCN system elements.
- **Bridge** - Acts as a CCN/Ethernet interface device in applications where the Ethernet is being used to connect separate CCN buses. This application requires an additional Router functioning as a Gateway.

Each i-Vu CCN Router has a static Internet Protocol (IP) address. This IP address can be set using the CCN Network Service Tool.



i-Vu[®] Building Automation System

i-Vu[®] CCN Router

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Communication Ports	Port E1: 10/100 BaseT Ethernet port for LAN and BACnet IP communications; Port S1 (CCN): EIA-485 port for CCN Network and/or CCN Service Tool connection (9600 bps, 19.2 kbps & 38.4 kbps)
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 BACnet MS/TP communication, Ethernet port communication, and low battery status. 7-segment status display for running, error, and power status
Router Addressing	Rotary DIP switches set address of Router
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, 26VDC (25V min, 30V max), Single Class 2 source only, 100 VA or less
Physical	Rugged aluminum cover and removable screw terminal blocks

Dimensions

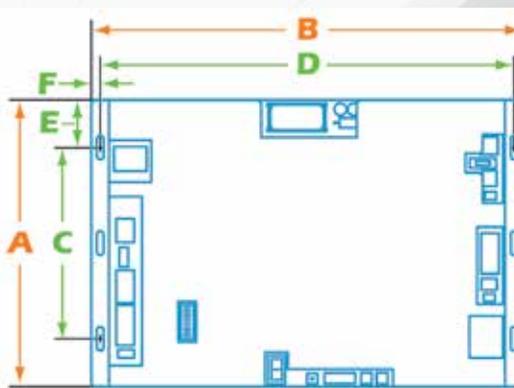
Overall

- 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)



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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