i-Vu Open Router

Part Number: CIV-OR

Carrier®

Turn to the Experts.℠

The i-Vu Open Router provides BACnet routing capabilities between the i-Vu Open Control System backbone (BACnet/IP), and a subnetwork of Open controllers (MS/TP). It connects directly to the Ethernet LAN and provides access to an MS/TP network of Open controllers directly from an i-Vu Open web server that resides on the Ethernet. It also increases the capacity of the i-Vu Open Control System, allowing individual MS/TP networks (with up to 60 Open controllers each), to be connected together via the i-Vu Open Control System backbone. Because the i-Vu Open Router allows for the use of existing LAN wiring, it is an ideal solution for integrating BACnet into any building or facility.
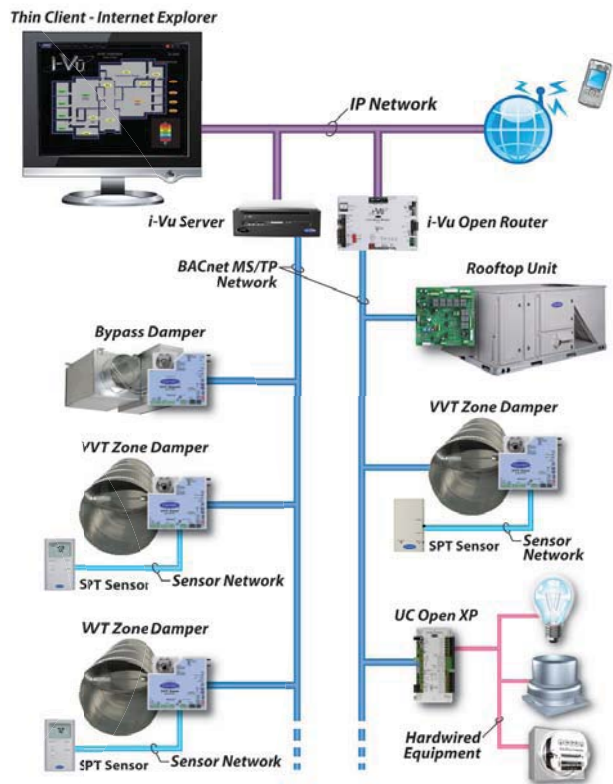
Hardware Features

- Rugged aluminum cover for durability
- Supports 10/100BaseT Ethernet and DHCP/ static IP addressing for easy connection to the building LAN
- Battery-backed real-time clock
- Capable of system or stand-alone operation
- Supports up to 60 Open controllers

System Benefits

- Fully plug-and-play with the Carrier i-Vu Open Control System
- Can be networked together to expand i-Vu Open Control Systems easily
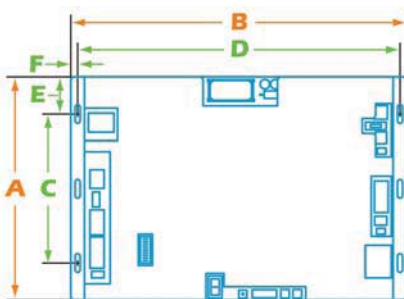
The Carrier i-Vu Open Control System

Thin Client - Internet Explorer
IP Network
i-Vu Server
i-Vu Open Router
BACnet MS/TP Network
Rooftop Unit
Bypass Damper
VVT Zone Damper
VVT Zone Damper
SPT Sensor
Sensor Network
SPT Sensor
Sensor Network
VVT Zone Damper
SPT Sensor
Sensor Network
UC Open XP
Hardwired Equipment

Specifications

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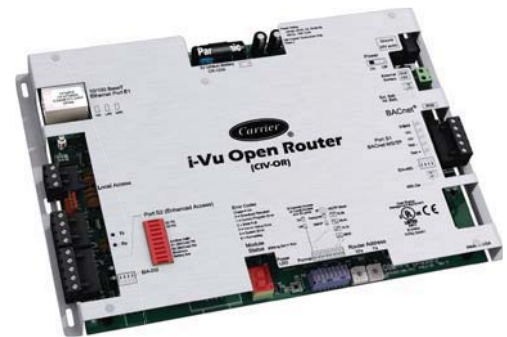|	
Communication Ports	Port E1: 10/100 BaseT Ethernet port for LAN and BACnet IP communications; Port S1 (BACnet MS/TP): EIA-485 port for BACnet MS/TP communications (9600 bps, 19.2 kbps, 38.4 kbps, & 76.8 kbps); Port S2 (Router Config): EIA-232 port for Router Configuration using HyperTerminal (115.2 kbps); Local Access port: For system start-up and troubleshooting using a PC or BACview, or Router Configuration using Hyperterminal (115.2 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 CR2032 battery provides a minimum of 10,000 hours of time retention during power outages
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	-20ºF to 140ºF (-29ºC to 60ºC); 10 to 90% relative humidity, non-condensing. NOTE: i-Vu Open Routers must be installed indoors.
Power Requirements	24VAC ± 10%, 50 to 60 Hz, 24VA, or 26VDC, ± 10%, 10W
Physical	Rugged aluminum cover and removable screw terminal blocks

Dimensions	
	Overall **A**: 7-1/2″ (9 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: 2 in. (5.1cm)-min. panel depth Weight: 1.4 lbs. (.64 kg)

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