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
Specifications

Part Number: CIV-OR

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
-20°F to 140°F (-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. (5.1 cm)-min. panel depth
Weight: 1.4 lbs. (.64 kg)

Manufacturer reserves the right to discontinue, or change at any time, specifications or designs, without notice or without incurring obligations.