



i-Vu® Building Automation System

Toshiba Carrier i-Vu Interface

Variable Refrigerant Flow Interface Panel
Part Number: OPN-MTCC



The Toshiba Carrier VRF interface provides seamless integration between the i-Vu® building automation system and a multi-zone Toshiba Carrier VRF system.

The “i-Vu ready” interface panel (part number OPN-MTCC), can be ordered as part of the VRF equipment offering, and enables plug-and-play building automation features for up to 64 zones in a building. Features include auto-discovery of VRF equipment, pre-installed control programs and graphics, and pre-configured trends, reports, schedules, and alarms. Using the i-Vu system, building operators can proactively manage occupant comfort levels, optimize energy usage, maximize equipment performance, assess and address building trends, and resolve problems faster.

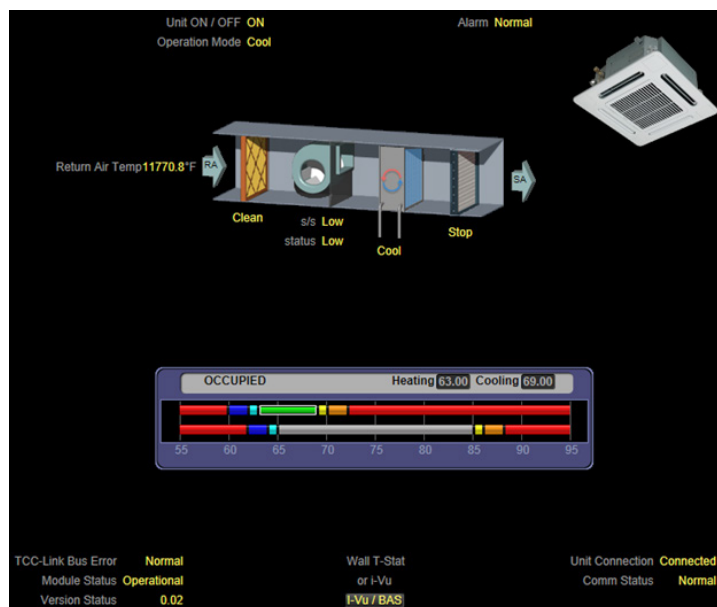


Application Features

- Supports two modes of operation: Monitor Mode (view only); BAS Control Module (controlled by i-Vu)
- The included i-Vu open link can also support a network of up to 60 i-Vu controllers using BACnet MS/TP or ARCnet
- The included i-Vu open link can also support additional control programs for managing i-Vu controllers and/or third party BACnet/Modbus equipment

System Benefits

- Complete factory-engineered solution includes enclosure, i-Vu open link, power supply, and pre-loaded control programs to reduce installation and commissioning time
- Unique graphics for individual system components give users total insight and control
- Intuitive, graphic rich i-Vu user interface keeps you connected to your facility from any web-enabled device or locally through a wall mounted touch screen



i-Vu® Building Automation System

Toshiba Carrier i-Vu Interface

Variable Refrigerant Flow Interface Panel

Part Number: OPN-MTCC



Specifications for i-Vu Open Link

Communication Ports	<p>Port E1: 10/100 BaseT Ethernet port for LAN, BACnet IP, and/or Modbus TCP/IP communications</p> <p>Port S1: EIA-485 port for BACnet MS/TP communications (9600 bps, 19.2 kbps, 38.4 kbps, & 76.8 kbps). Both i-Vu and third party BACnet MS/TP controllers can be connected to this port simultaneously as long as the baud rates are the same.</p> <p>BACnet Port: For communication with an i-Vu controller network using ARCNET 156 kbps</p> <p>Local Access Port: For system start-up and troubleshooting or i-Vu Open Link configuration at 115.2 kbps</p> <p>Port S2: EIA-485 port for connecting up to 64 VRF devices. This port communicates Modbus (RTU & ASCII modes) @ 9600 bps, 19.2 kbps, & 38.4 kbps</p> <p>Note: Ports E1, S1, S2 and BACnet Port can operate simultaneously</p>
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 (VRF network) communication, Ethernet port communication, archive valid, brownout, and low battery status. 7-segment module status display for running, error, and formatting status.
Controller Addressing	Rotary DIP switches set Router Address of i-Vu Open Link
Listed by	UL916 (Canadian Std C22.2 No. 205-M1983), CE, FCC Part 15 – Subpart B – Class A
Environmental Operating Range	<p>Operating: 32 to 104° F (-29 to 60° C); 10 to 90% RH, non-condensing</p> <p>Storage: -24 to 140° F (-30 to 60° C); 10 to 90% RH, non-condensing</p>
Power Requirements	120 VAC 60 Hz
Physical	Rugged aluminum cover and removable screw terminal blocks

Dimensions

Overall

A: 14.70 in. (373 mm)

B: 16.70 in. (424 mm)

Mounting

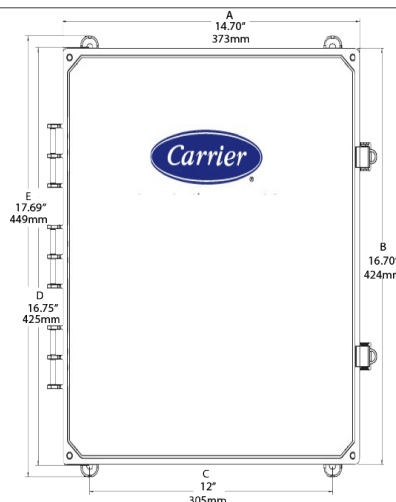
C: 12 in. (305 mm)

D: 16.75 in. (425 mm)

E: 17.69 in. (449 mm)

Depth: 7.66 in. (195 mm)

Weight: 1.7 lbs. (7.7 kg)



For more information, contact your local Carrier Controls Expert.

Controls Expert Locator:
www.carrier.com/controls-experts