

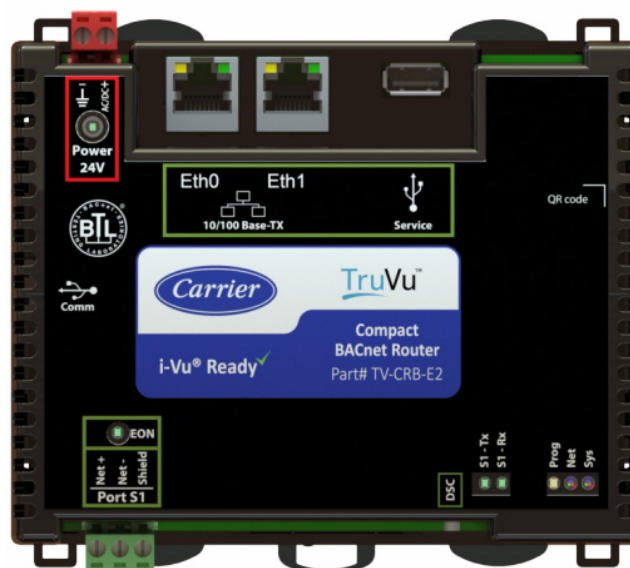


## Carrier TV-CRB-E2 i-Vu Building Automation System TruVu Compact Router Owner's Manual

[Home](#) » [Carrier](#) » Carrier TV-CRB-E2 i-Vu Building Automation System TruVu Compact Router Owner's Manual



i-Vu® Building Automation System  
TruVu™ Compact Router  
Part Number: TV-CRB-E2



The TruVu Compact Router (TV-CRB-E2) features dual IP ports for convenient daisy-chain deployment and offers robust routing capabilities between BACnet®/IP, BACnet Ethernet, and BACnet MS/TP networks.

It also features a compact footprint for more flexible system design.



## Contents

- [1 Hardware Features](#)
- [2 BACnet Features](#)
- [3 System Benefits](#)
- [4 Specifications](#)
- [5 Documents / Resources](#)
  - [5.1 References](#)

## Hardware Features

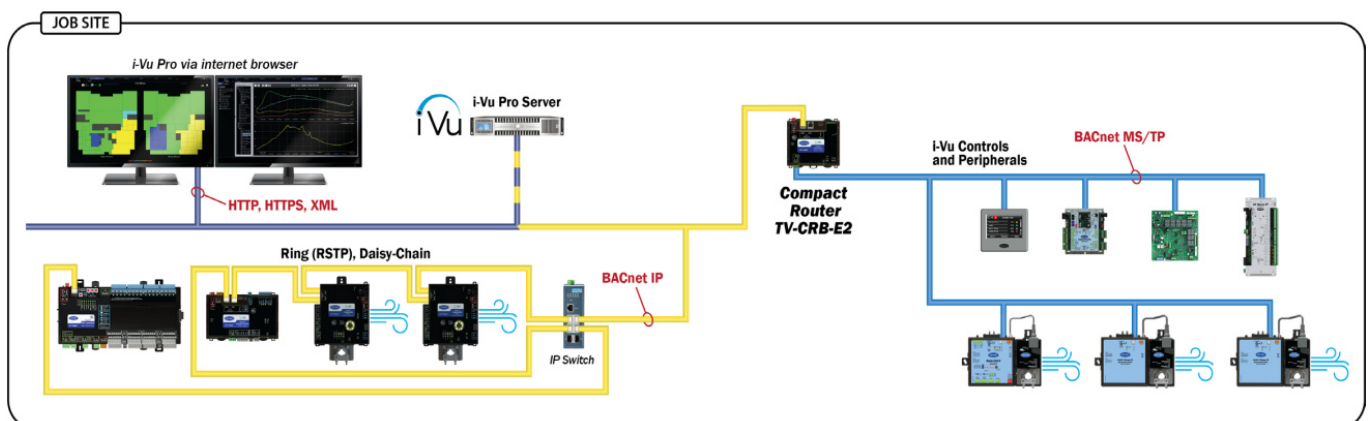
- Supports IPv4
- Two 10/100 Mbps ethernet ports with fail-safe relay
- One optically isolated MS/TP port, supporting speeds from 9.6 to 115.2 Kbps
- USB service port for local service: connect PC via a hard-wired connection or wirelessly using a USB-W adapter
- Compact footprint simplifies installation and optimizes panel space

## BACnet Features

- BACnet Testing Laboratories (BTL) certified
- Conforms the BACnet Router B-RTR and BBMD standard device profile
- Supports BACnet routing between BACnet/IP, BACnet/Ethernet and BACnet/MSTP networks
- Can serve as a BACnet Broadcast Management Device (BBMD)
- Supports BACnet Foreign Device Registration (FDR)

## System Benefits

- Connects seamlessly to the i-Vu building automation system



## Specifications

BACnet Support	Conforms to the BACnet Router (B-RTR) and BACnet Broadcast Management Device (B-BBMD) Standard Device Profile as defined in ANSI/ASHRAE Standard 135-2016 (BACnet) Annex L, Protocol Revision 15
Power Requirements	24 Vac $\pm$ 10%, 50-60 Hz, 50 VA 24 Vdc $\pm$ 10%, 18 W
Communication Ports	Eth0,Eth1: 10/100 BaseT, full duplex, Ethernet ports with built-in fail safe. Supports direct connection or daisy chain topology natively using BACnet/IP and/or BACnet Ethernet communication. Port S1: EIA-485 port for BACnet MS/TP communication network at 9,600 to 115,200 bps An End of Net switch can be turned on to terminate the network segment. Service port: USB 2.0 host port for setting up the router and troubleshooting through a local connection to a computer, connecting to the TruVu™ Equipment Touch, or the Carrier USB Wireless service adapter.
Protection	Device is protected by a replaceable, fast acting, 250Vac, 3A, 5mm x 20mm glass fuse. The power and network ports comply with EMC requirements EN50491-5-2.
Real Time Clock	Real-time clock keeps track of time in the event of a power failure for up to 3 days.
LED Status Indicators	Tricolor NET LED to show network status / Tricolor SYS LED to show system status/POWER LED/S1 EON LED/A TX (Transmit) and RX (Receive) LED for: Port S1
Router Addressing	Webserver interface
Environmental Operating Range	-40 to 158°F (-40 to 70°C), 10-95% relative humidity, non-condensing The TV-CRB-E2 is suitable for installation inside or outside the building envelope. It should be placed in a UL Listed enclosure. If installed outside, the enclosure must be suitable for the environmental conditions.F74
Compliance	United States of America: FCC compliant to Title CFR47, Chapter 1, Subchapter A, Part 15, Subpart B, Class A; UL Listed to UL 916, PAZX, Energy Management Equipment; Canada: Industry Canada Compliant, ICES003, Class A cUL Listed UL 916, PAZX7, Energy Management Equipment; EN50491-5-2:2009; Part 5-2: EMC requirements for HBES/BACS used in residential, commercial and light industry environment RoHS Compliant: 2015/863/EU REACH Compliant; Australia and New Zealand: C-Tick Mark, AS/NZS 61000-6-3
Physical	Fire-retardant plastic ABS, UL94-5VA
Mounting	35mm DIN rail mounting or screw mounting

## Dimensions

### Overall

**A:** 5.51 in. (14 cm)

**D:** 5.88 in. (14.93 cm)

**E:** 4.41 in (11.20 cm)

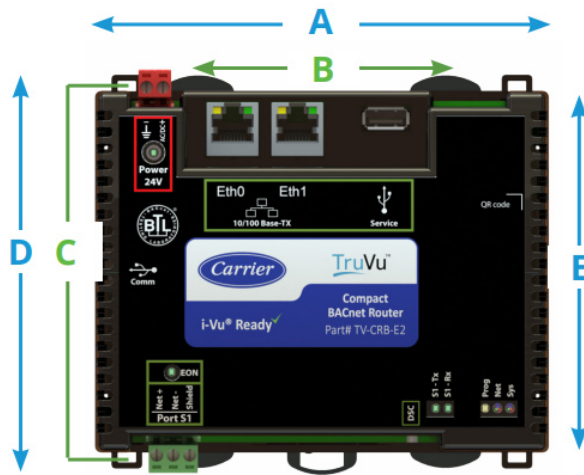
**Depth:** 2.01 in. (5.11 cm)

**Weight:** .75 lbs. (.3402 kg)

### Mounting

**B:** 3.00 in. (7.62 cm)

**C:** 5.29 in. (13.44 cm)



© Carrier 2024. All Rights Reserved. Cat. No. 11-808-1074-01 Rev. 5/24

Manufacturer reserves the right to discontinue, or change at any time, specifications or designs, without notice and without incurring obligations. Trademarks are properties of their respective companies and are hereby acknowledged.

For more information, contact your local Carrier Controls Expert.

**Controls Expert Locator:** [www.carrier.com/controls-experts](http://www.carrier.com/controls-experts)



## Documents / Resources

	<p><a href="#">Carrier TV-CRB-E2 i-Vu Building Automation System TruVu Compact Router</a> [pdf] Owner's Manual</p> <p>TV-CRB-E2 i-Vu Building Automation System TruVu Compact Router, i-Vu Building Automation System TruVu Compact Router, Building Automation System TruVu Compact Router, System TruVu Compact Router, Compact Router</p>
--	--

## References

- [Find a Carrier Expert in Your Area | Carrier Commercial Systems North America](#)
- [User Manual](#)

### [Manuals+](#), [Privacy Policy](#)

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.