



i-Vu® Building Automation System

VAV Zone II Secondary Terminal

Part Number: OPN-SECTRM-02



The VAV Zone II Secondary Terminal controller provides control of a secondary zone damper where CFM measurement is required. This advanced controller features a separable actuator for easy installation onto a zone damper. It requires connection to the programmable Carrier Zone Controller (OPN-B3-P-02) for proper operation.



Application Features

- Dual Duct - Hot Deck / Cold Deck control
- DOAS applications
- Quick and easy test & balancing process

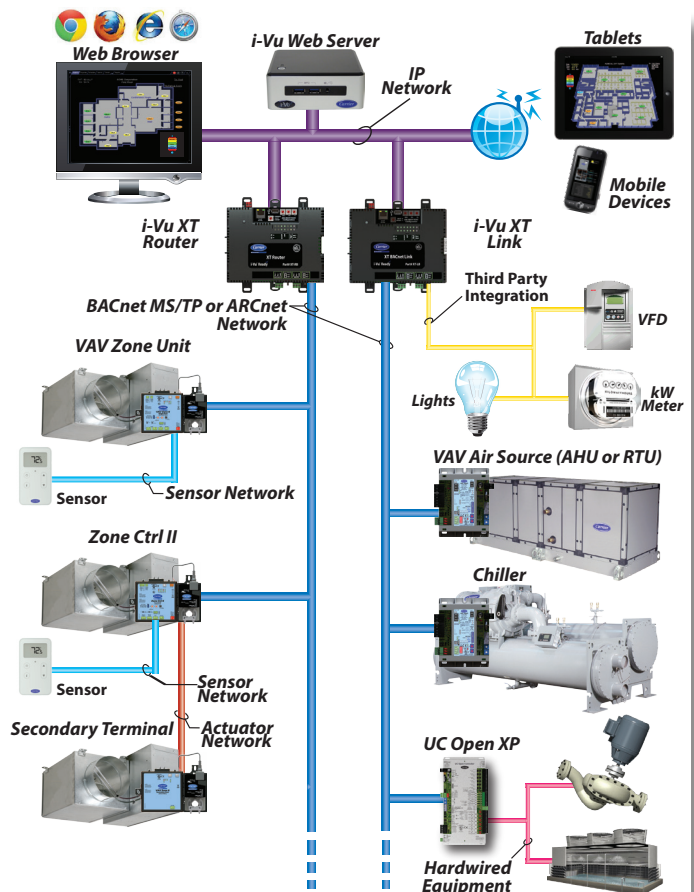
Hardware Features

- Separable brushless actuator for reliability and longevity
- ACTnet Communications bus
- Precision differential pressure sensor

System Benefits

- Fully plug-and-play with the Carrier i-Vu Building Automation System
- Connects directly to the ACTnet bus on Carrier ZoneCtrl II programmable and TruVu™ Dual IP Zone controllers

The i-Vu Building Automation System



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Specifications

Communication Ports	ACTnet port: For connecting the actuator cable and to the ZoneCtrl II
Separable Actuator	Brushless DC motor, torque 45 inch-pounds (5Nm), runtime 205 seconds for 90 degree travel during control
Integral Pressure Sensor	Precision low flow AWM series 0–2 in. H ₂ O, sensitive down to ±0.001 in. H ₂ O. Barbed tapered airflow connections accept 3/16 in. (4.75 mm) I.D. tubing. Allows for readings across the 0–2 in. H ₂ O range, accurate to ±5% of full flow at 2 in. H ₂ O
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, network, input, and output connections are also protected against voltage transient and surge events lasting no more than 10 msec.
Status Indicators	LED status indicators for communication, run status, error, power, and motor direction
Listed by	United States: FCC compliant to Title CFR47, Part 15, Subpart B, Class A; UL Listed, File E143900; CCN PAZX, UL 916, Energy Management Equipment; ANZ: RCM Mark AS/NZS 61000-6-3; Canada: UL Listed File E143900, CCN PAZX7, CAN/CSA C22.2 No. 205 Signal Equip., Industry Canada Compliant ICES-003, Class A; CE Mark Compliant with 2014/30/EU, and RoHS Compliant: 2015/863/EU; UKCA Mark compliant with Electromagnetic Compatibility Regulations 2016 – Gov.UK and RoHS for Electrical and Electronic Equipment 2012
Environmental Operating Range	Operating: 32 to 130°F (0 to 54°C) 10 to 90% RH, non-condensing Storage: -24 to 140°F (-30 to 60°C) 0 to 90% RH, non-condensing
Power Requirements	24VAC ± 10%, 50-60Hz, 14 VA power consumption 26VDC (25V min, 30V max), Single Class 2 source only, 100 VA or less
Dimensions	Overall A: 5.10 in. (12.95 cm) B: 8.93 in. (22.68 cm) C: 5.87 in. (14.90 cm) Mounting D: 7 in. (17.78 cm) E: 4.89 in. (12.42 cm) F: 1.04 in. (2.64 cm) G: 1.46 in. (3.71 cm) H: 2.55 in. (6.48 cm) I: 0.58 in. (1.47 cm) Depth: 2.5 in. (6.4 cm) Weight: 1.8 lbs (0.82 kg) Minimum Shaft Diameter: 3/8 in. (.95 cm) Maximum Shaft Diameter: 1/2 in. (1.27 cm) Minimum Shaft Length: 1-3/4 in. (4.45 cm)

