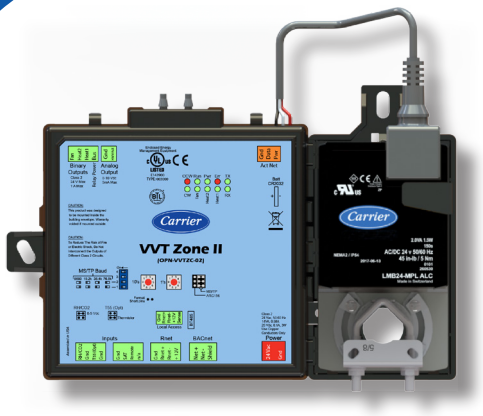
Carrier

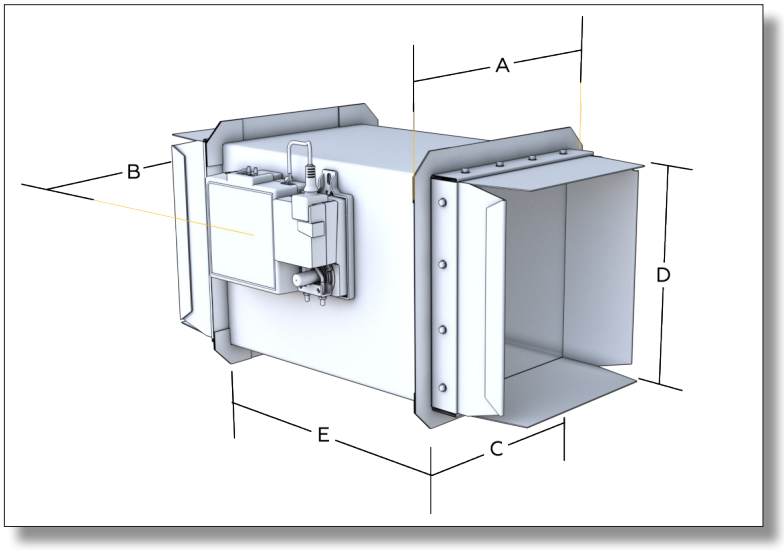
i-Vu® Building Automation System
Rectangular Zone Damper with VVT Zone Controller



The VVT rectangular zone damper with VVT Zone controller is a component of Carrier's i-Vu Building Automation System. It provides accurate and precise airflow for VVT applications. The factory-integrated VVT Zone controller maintains space temperature by modulating the proper amount of supply airflow through its damper.

i Vu

Part Number	Duct Size (inches)	Weight (lbs)	CFM Airflow Range	
			Min	Max
OPND8X10ZC	8 x 10	10.0	410	610
OPND8X14ZC	8 x 14	11.5	560	825
OPND8X18ZC	8 x 18	13.0	725	1075
OPND8X24ZC	8 x 24	16.0	925	1175



Dimensions (inches)

Part Number	A	B	C	D	E
OPND8X10ZC	10.25.	13	8	10	13.5
OPND8X14ZC	10.25.	17	8	14	13.5
OPND8X18ZC	10.25	21	8	18	13.5
OPND8X24ZC.	10.25	27	8	24	13.5

i-Vu® Building Automation System
Rectangular Zone Damper with VVT Zone Controller

VVT Zone Damper

Physical	Duct Housing: 24 Ga.; Damper Blade: 20 Ga. Duct Connection: Standard "S" Lock & Drive Cleats
Features	• Integral supply air temperature sensor • Demand control ventilation (DCV) sensor input point • Counterclockwise and clockwise damper rotation • Configurable minimum and maximum open damper positions • Optional 0-10V DC output for linking actuators
Operating Performance	Torque rating: 35 in. lb.; Degree of rotation: 45, 60, or 90 degrees; Pressure rating: 1 in. wg static pressure

VVT Zone Controller

Features	• Integral actuator with brushless DC motor, rated at 35 inch-pounds (4Nm) torque, runtime is 205 seconds for 90 degree travel during control • Provides pressure dependent (VVT), space temperature control for terminals up to 2.7 sq. ft. inlet • Provides zone level humidity control OR zone level demand control ventilation (ASHRAE 62), with field-installed sensor • Provides PID control • Optional terminal fan or auxiliary heat control • Provides remote occupancy contact input for field-installed occupancy sensor • Supports sensor averaging • Capable of stand-alone operation with integral supply air temperature sensor • Air balancing tool available
Communications	• Controller network is BACnet MS/TP at 9600 bps, 19.2 kbps, 38.4 kbps, or 76.8 kbps or ARCNET 156 kbps • i-Vu can be used to access controller both locally and remotely.
Communications Wiring	22/24 AWG, single twisted shielded pair, low capacitance, CL2P wire
Power Requirements	24VAC ± 10%, 50-60Hz, 14 VA power consumption, 26VDC (25V min, 30V max), Single Class 2 source only, 100 VA or less
Environmental Operating Range	0 to 140ºF (-18 to 54ºC) 10 to 90% RH, non-condensing
Storage Temperature	-24 to 140ºF (-30 to 60ºC) 10 to 90% RH, non-condensing
Power Wiring	2 conductor, 18 AWG, unshielded
Listed By	UL-916 (PAZX), cUL-916 (PAZX7), FCC Part 15-Subpart B-Class A, CE EN50082-1997, UL94-5VA plenum rated enclosure

For more information, contact your local Carrier Controls Expert.

Controls Expert Locator:
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