



**Description**

The JetVent Control Center is a complete stand-alone garage ventilation management control system that generates significant energy savings. The preconfigured Control Center responds to varying levels of pollutants, as reported by the sensors, and varies the operating speed of the fans. The Control Center can also vary the speed of supply and exhaust fans and integrate their operation with overall ventilation requirements based on preconfigured environmental conditions.

**Controller Specifications**

JetVent Control Center controller shall have an easy to use LCD user interface and allow Automatic, OFF, or Manual control of fan operations. The controller must have Run and Alarm warning indications with integrated logic for EC fans, VFDs, and sensors. The controller must have BAS connectivity and an Ethernet User Interface connection. Fan speed based on contaminant level(s) and temperature, and overall ventilation rates shall be adjustable. JetVent Fans and supply/exhaust fans shall run proportional to the contaminant level.

- > JetVent's unique digital communication system costs less to install and is simple to commission.
- > Managing ventilation dynamically, based on contaminant level, saves energy due to significantly lower average-operating speeds for the fans, resulting in operating savings of 50% or more.

**Selection Table**

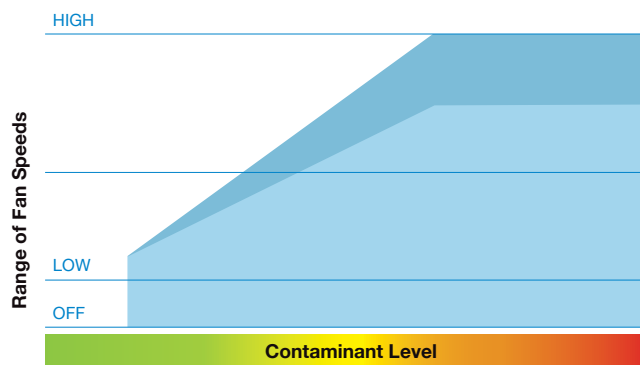
Model	Description	Quantity
JV-CC	JetVent Control Center includes BACnet Interface	
JV-CC-EXP	JetVent Control Center Expansion Board	
SEN-CO	CO Gas Sensor	
SEN-NO2	NO <sub>2</sub> Gas Sensor	
SEN-TEMP	Temperature Sensor	

**Configuration Options**

Sensor	Minimum	Maximum
CO	(DEFAULT 15)	(DEFAULT 45)
NO <sub>2</sub>	(DEFAULT 1)	(DEFAULT 5)

**Dynamic Ventilation Rate**

Based on Contaminant Level with Programmable Starting Points



**Additional Configuration Options**

Sensor	Minimum	Maximum
Temp °C	(DEFAULT 30)	(DEFAULT 40)

**Technical Specifications**

**Fire Alarm Panel Digital Inputs**

Port Number	Description
1	Fire Run
2	Fire Stop
3	Fire Alarm

**Control Center Alarm Outputs**

Digital Enable 1	<b>Programmable for:</b> All, None, Sensor, JetVent
Digital Enable 2	
Digital Enable 3	

**Sensor Inputs (CO, NO<sub>2</sub>, Temperature)**

	Qty	Type
Control Center	4	0-10VDC, 4-20mA, Modbus
Expansion Board	4	0-10VDC, 4-20mA

**Expansion Board Alarm Outputs**

Digital Enable 1	<b>Programmable for:</b> All, None, Sensor, JetVent
Digital Enable 2	
Digital Enable 3	

**Controller**

Mounting	DIN Rail
Dimensions	110 X 227 X 70 mm
Input Power	24 VDC

**VFD Control Outputs**

	Qty	Type
Drive Enable	3	Digital Enable
Drive Control	4	0-10VDC

**Communications**

BAS Connectivity	Modbus, BACnet
JetVent Fans	Modbus
User Interface	Ethernet
Connection Methods	RS-485, IP

**Expansion Board Digital Inputs**

Digital Enable 1	<b>Programmable for:</b> Supply/Exhaust Fan Run, Supply/Exhaust Fan Stop, Fire Run, Fire Stop
Digital Enable 2	
Digital Enable 3	

**Project**

**Comments**

Job Name:	Date:		
Job Address:			
City:	State:		ZIP:
Architect:			
Engineer:			
Contractor:			

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