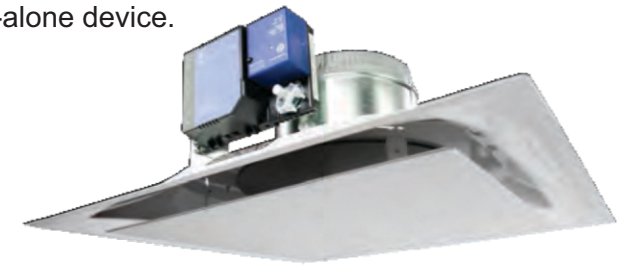
BACnet VAV Diffuser
With wall-mounted thermostat
For variable air volume applications

BN-XX

Diffusers

The electronic BACnet Diffuser is used to vary the supply air volume in conjunction with supplied, wall-mounted, adjustable, communicating BACnet room sensor. The diffuser is designed to maintain coanda effect (draft free) of discharge air along the ceiling, providing a sustained discharge velocity throughout the volume range. The BACnet interface is designed to allow integration into the BAS, providing information, scheduling and adjustment. The wall-mounted sensor will give closer and more accurate temperature control and eliminate the need for a step ladder to adjust the setpoint of the diffuser. No need for any additional hardware to allow the electronic BACnet VAV diffuser to communicate via BACnet, simply wire diffuser to be discovered by the network. It can also be operated as a stand-alone device.



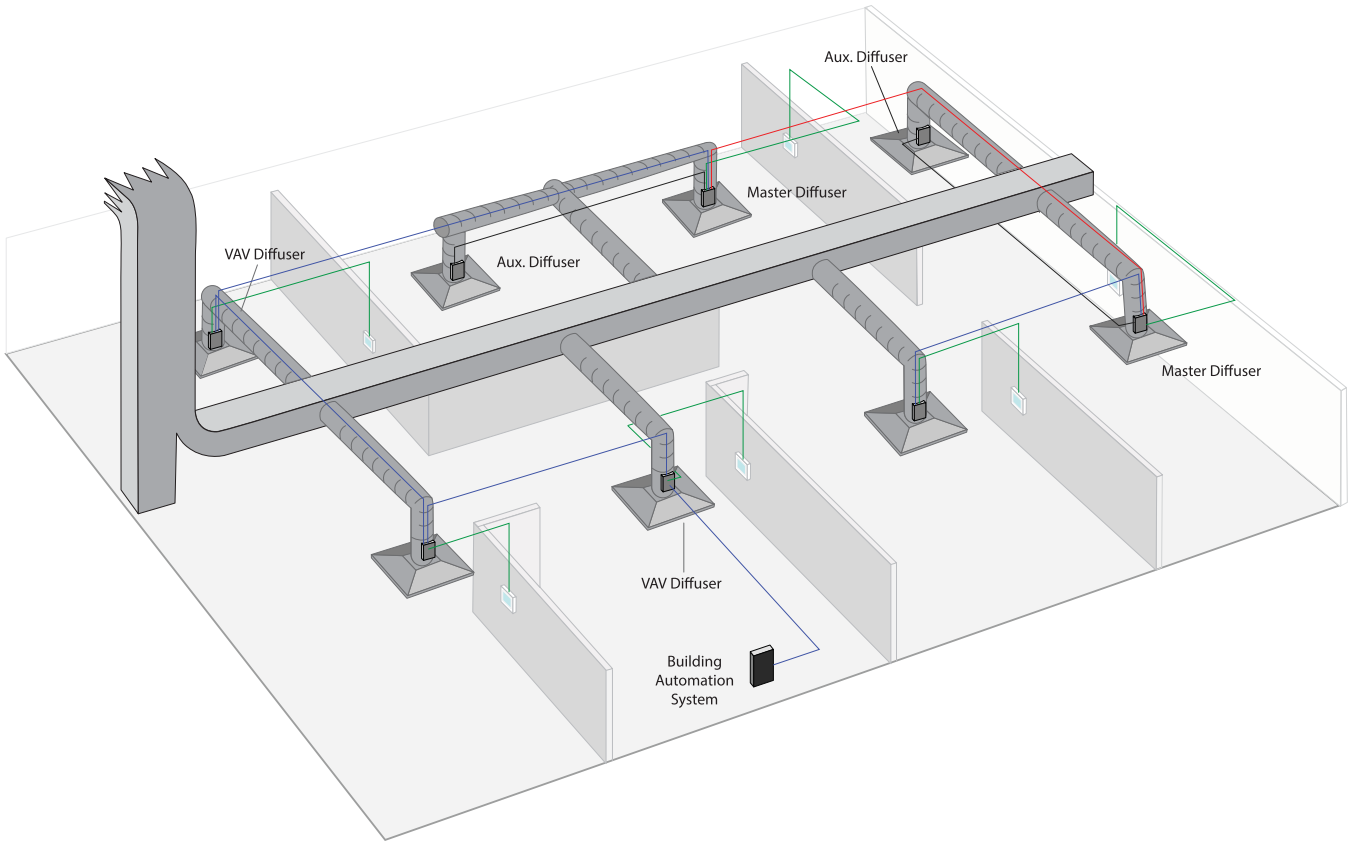
Features and Benefits:



- Wall-mounted communicating and adjustable thermostatic control within an individual zone
- Fully-modulating diffuser
- Native BACnet® Controller with powerful, low voltage integral actuator
- True variable air volume in heating and cooling modes
- Air volume ranges from 60 to 1,500 cfm
- Adjustable minimum and maximum damper position
- Suitable for lay-in ceilings or hard ceiling (with accessory frame)
- Four-way discharge pattern (1, 2 or 3-way pattern with accessory baffles)
- Installation flexibility
- Increases comfort levels in individual zones without cycling equipment
- Custom colors available
- Humidity, CO2 and motion sensing options available
- Single or dual stage duct reheat control (if present)

Warranty: 5 Years

BACnet VAV Diffuser



Specifications:

Construction	18 gauge steel with baked enamel finish. Available in Aluminum (special order)
Sizes	Diffuser sizes 24” x 24” Neck sizes: 6”, 8”, 10”, 12”, 14”
Damper Actuator Type	24VAC, 10VA integral actuator
Timing	Approximately 90 seconds (variable per intelligent controller)
Communication Bus	BACnet MS/TP
Baud Rate	**Default**: Auto **Adjustable**: 9600, 19,200, 38,400, 76,800

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