ZONE ONE™
Stand-alone Modulating Zone Damper System

Jackson SYSTEMS
Zone Control Made Simple™
www.jacksonsystems.com
1.888.652.9663
ZONE ONE™ MODULATING
STAND-ALONE ZONE DAMPER ASSEMBLY

SEQEQUENCE OF OPERATION:

The automatic changeover duct sensor (located on the Zone One™ damper) senses whether there is warm air or cool air in the duct. If the Z-2000-T thermostat is calling for cooling and the duct sensor determines there is cool air in the duct, the damper will modulate open. If the Z-2000-T thermostat is calling for heating and the duct sensor determines there is warm air in the duct, the damper will modulate open.

The green LED located on the actuator board indicates when the space temperature is 1.5°F above the thermostat setpoint and the thermostat is calling for cooling. The red LED located on the actuator board indicates when the space temperature is 1.5°F below the thermostat setpoint and the thermostat is calling for heating.

APPLICATION AND INSTALLATION NOTES:

Use standard 18 gauge thermostat wire.
A 24 VAC 40 VA transformer will power a single Zone One™ system and up to 20 actuators.
The actuator board is located on the side of the actuator.
If the duct temperature is above 72°F, the zone damper will open on a call for heating.
If the duct temperature is below 72°F, the zone damper will open on a call for cooling.
If a single Zone One™ system or multiple Zone One™ systems are used to zone more than 30% of the total CFM served by the HVAC system, a bypass damper may be required to maintain constant system static pressure.
The HVAC system should be controlled by its own space thermostat or discharge air controller. If a space thermostat is used to control the HVAC system, it must never be located in an area served by a Zone One™.
A suction line freeze stat (FS-38) should be installed when zoning more than 30% of the total CFM served by the HVAC system to protect the equipment in the event the suction line temperature drops too low (Wire in series with the cooling control circuit).

TESTING:

Disconnect the duct sensor to simulate cold air in the duct. Initiate a call for cooling at the thermostat and the damper should open.

Short the duct sensor to simulate warm air in the duct. Initiate a call for heating at the thermostat and the damper should open.
ZONE ONE™ Z-2000-T MODULATING ZONE THERMOSTAT WITH AUTO CHANGEOVER

KEY FUNCTIONS
ON/OFF KEY - When the Z-2000-T is not locked, this key allows the thermostat to be turned ON or OFF. When in the OFF position, the damper is also driven closed
STATUS KEY - Pressing the STATUS key displays the UNIT number, ZONE number, DUCT temperature and DAMPER position.
UP/DOWN KEYS - These keys are used to increase or decrease the setpoint as well as change thermostat setup values.
ENTER KEY - This key is used to enter changes as well as exit the setup menu. (Refer to Installation / Operation Manual for complete setup instructions)

OPERATION
The duct sensor wired to the Z-2000-T is designed to select the mode of operation of the damper. If the discharge air temperature is above 72° F, the damper will open on a call for heating. If the discharge air temperature is below 72° F, the damper will open on a call for cooling

TERMINAL DESIGNATIONS

<table>
<thead>
<tr>
<th>Terminal</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>C</td>
<td>24 Vac (Common)</td>
</tr>
<tr>
<td>R</td>
<td>24 Vac (Hot)</td>
</tr>
<tr>
<td>PO</td>
<td>Power Open</td>
</tr>
<tr>
<td>PC</td>
<td>Power Close</td>
</tr>
<tr>
<td>DS (2)</td>
<td>Duct Sensor</td>
</tr>
<tr>
<td>Y</td>
<td>Cooling Relay</td>
</tr>
<tr>
<td>W</td>
<td>Heating Relay</td>
</tr>
<tr>
<td>A / B</td>
<td>Modbus Communications</td>
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FACTORY DEFAULT SETTINGS

<table>
<thead>
<tr>
<th>Setting</th>
<th>Value</th>
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<tbody>
<tr>
<td>Minimum Heating Damper Position</td>
<td>10%</td>
</tr>
<tr>
<td>Minimum Cooling Damper Position</td>
<td>10%</td>
</tr>
<tr>
<td>Maximum Damper Position</td>
<td>100%</td>
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<tr>
<td>Unit Number</td>
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<tr>
<td>Zone Number</td>
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<td>Heating Limit</td>
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<td>Cooling Limit</td>
<td>68° F</td>
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<td>Actuator Speed</td>
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<td>Modbus Address</td>
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<tr>
<td>Temperature Calibration Offset</td>
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ZONE ONE™
ZD-XX SERIES ZONE CONTROL DAMPER SPECIFICATIONS

APPLICATION:

The model ZD-XX is a round commercial zone control damper assembly that includes a damper, modulating actuator, duct temperature sensor, and actuator control board. The ZD-XX zone damper is used with a Z-2000-T, P+I zone thermostat.

AVAILABLE SIZES:

Length: 6" - 20" diameter = 10"

CONSTRUCTION:

Shell Material: 18 gauge spiral steel
Damper Material: 18 gauge
Shaft: ½" aluminum

AIR FLOW & PRESSURE:

Max static pressure: 2 inches w.c.
Max velocity: 2,000 fpm
CFM: 0 - 4,000 cfm

DAMPER ACTUATOR:

24 VAC, 2VA, 3-wire floating point actuator

OPERATION:

Continually regulates supply air volume in response to Z-2000-T thermostat control

COMPONENTS:

Damper, actuator, PC board and discharge air sensor

AIR HANDLER CONTROL:

Space thermostat
Discharge air controller

WARRANTY:

Damper: 5 Years

Drawings are intended to show general, overall product dimensions and provide guidance for installation clearance. Drawings are not to scale. Jackson Systems reserves the right to make product changes without notification or obligation.
APPLICATION:

The model SD-XX is a round commercial auxiliary zone control damper assembly that includes a damper and modulating actuator. The SD-XX zone damper can be used as an auxiliary damper when wired to a ZD damper actuator in applications where more than one damper is required in a single zone.

AVAILABLE SIZES:

Length: 6" - 20" diameter = 10"

CONSTRUCTION:

Shell Material: 18 gauge spiral steel
Damper Material: 18 gauge
Shaft: ½" aluminum

AIR FLOW & PRESSURE:

Max static pressure: 2 inches w.c.
Max velocity: 2,000 fpm
CFM: 0 - 4,000 cfm

DAMPER ACTUATOR:

24 vac, 2va, 3-wire floating point actuator

COMPONENTS:

Damper and actuator

AIR HANDLER CONTROL:

Space thermostat
Discharge air controller

WARRANTY:

Damper: 5 Years

Drawings are intended to show general, overall product dimensions and provide guidance for installation clearance. Drawings are not to scale. Jackson Systems reserves the right to make product changes without notification or obligation.
**ZONE ONE™**  
**ZD-XXXX SERIES ZONE CONTROL DAMPER SPECIFICATIONS**

**APPLICATION:**  
The model ZD-XXXX is a rectangular commercial zone control damper assembly that includes a damper, modulating actuator, duct temperature sensor, and actuator control board. The ZD-XXXX zone damper is used with a Z-2000-T, P+I zone thermostat.

**AVAILABLE SIZES:**  
Side mount models are sized width (A) by height (B) with actuator on the (B) dimension.  
Bottom mount models are sized width (A) by height (B) with actuator on the (A) dimension.  
(A) and (B) dimensions are undercut 1/4".  
Standard sizes range from 8" x 8" up to 36" x 24" in 2" increments.

**CONSTRUCTION:**  
- Frame: 1/16" extruded aluminum  
- Blades: 1/16" extruded aluminum (parallel design)  
- Flange: 1/16" aluminum  
- Shaft: ½" aluminum  
- Bushings: Nylon

**AIR FLOW & PRESSURE:**  
- Max static pressure: 2 inches w.c.  
- Max velocity: 2,000 fpm  
- CFM: 0 - 4000 cfm

**DAMPER ACTUATOR:**  
24 vac, 2va, 3-wire floating point actuator

**OPERATION:**  
Continually regulates supply air volume in response to Z-2000-T thermostat control

**COMPONENTS:**  
Damper, actuator, PC board and discharge air sensor

**AIR HANDLER:**  
Space thermostat  
Discharge air controller

**WARRANTY:**  
5 Years

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ZONE ONE™
SD-XXXX SERIES ZONE CONTROL DAMPER SPECIFICATIONS

APPLICATION:
The model SD-XXXX is a rectangular commercial auxiliary zone control damper assembly that includes a damper and modulating actuator. The SD-XXXX can be used as an auxiliary damper when wired to a ZD damper actuator in applications where more than one damper is required in a single zone.

AVAILABLE SIZES:
Side mount models are sized width (A) by height (B) with actuator on the (B) dimension.
Bottom mount models are sized width (A) by height (B) with actuator on the (A) dimension.
(A) and (B) dimensions are undercut 1/4”.
Standard sizes range from 8” x 8” up to 36” x 24” in 2” increments.

CONSTRUCTION:
Frame: 1/16” extruded aluminum
Blades: 1/16” extruded aluminum (parallel design)
Flange: 1/16” aluminum
Shaft: ⅛” aluminum
Bushings: Nylon

AIR FLOW & PRESSURE:
Max static pressure: 2 inches w.c.
Max velocity: 2,000 fpm
CFM: 0 - 4000 cfm

DAMPER ACTUATOR:
24 vac, 2va, 3-wire floating point actuator

OPERATION:
Continually regulates supply air volume in response to Z-2000-T thermostat control

COMPONENTS:
Damper and actuator

AIR HANDLER:
Space thermostat
Discharge air controller

WARRANTY:
5 Years

Drawings are intended to show general, overall product dimensions and provide guidance for installation clearance. Drawings are not to scale. Jackson Systems reserves the right to make product changes without notification or obligation.
ZONE ONE™
VD-XX, Type LT, Lay-in, T-Bar, VAV Fully Modulating
Diffuser Specifications

APPLICATION:
The Model VD-XX VAV Comfort System™ Diffuser is used to vary the supply air volume from a wall-mounted thermostat. The diffuser is designed to maintain the coanda effect (draft free) of discharge air along the ceiling, providing a sustained discharge velocity throughout the volume range. The Comfort System™ VAV Diffuser with a Z-2000-T, P+I zone thermostat.

AVAILABLE SIZES:
Face Size: 24” X 24” (23.75” x 23.75”)
Neck Size: 6”, 8” for 12” x 12” face size
6”, 8”, 10”, 12”, 14” for 24” x 24” face size

CONSTRUCTION:
Face Plate: Removable 18 gauge steel with baked white enamel finish
Back Cone: Unitary stamped 18 gauge steel

OPERATION:
Diffuser: Integral modulating disk that continually regulates supply air volume in response to thermostat control
Air Volume Range: 118 to 710 CFM

DIFFUSER ACTUATOR:
24 VAC, 2VA, 3-wire floating point actuator

COMPONENTS:
Diffuser, actuator, PC board and discharge air sensor

AIR HANDLER CONTROL:
Space thermostat
Discharge air controller

WARRANTY:
5 Years

Drawings are intended to show general, overall product dimensions and provide guidance for installation clearance. Drawings are not to scale. Jackson Systems reserves the right to make product changes without notification or obligation.
## Engineering Data
### Zone One™ 24” x 24” VD-XX VAV Diffuser

<table>
<thead>
<tr>
<th>Part Number and Neck Size</th>
<th>Neck Velocity (FPM)</th>
<th>Neck Size</th>
<th>Velocity Pressure</th>
<th>Airflow (CFM)</th>
<th>Total Pressure</th>
<th>Horizontal Throw</th>
<th>Noise Criteria</th>
<th>Airflow (CFM)</th>
<th>Total Pressure</th>
<th>Horizontal Throw</th>
<th>Noise Criteria</th>
<th>Airflow (CFM)</th>
<th>Total Pressure</th>
<th>Horizontal Throw</th>
<th>Noise Criteria</th>
<th>Airflow (CFM)</th>
<th>Total Pressure</th>
<th>Horizontal Throw</th>
<th>Noise Criteria</th>
<th>Airflow (CFM)</th>
<th>Total Pressure</th>
<th>Horizontal Throw</th>
<th>Noise Criteria</th>
</tr>
</thead>
<tbody>
<tr>
<td>VD-06 6” Ak = 0.19</td>
<td></td>
<td></td>
<td></td>
<td>300</td>
<td>60</td>
<td>0.009</td>
<td>60</td>
<td>1-1-2</td>
<td>0.011</td>
<td>100</td>
<td>1-1-4</td>
<td>&lt;15</td>
<td>300</td>
<td>0.011</td>
<td>1-1-2</td>
<td>&lt;15</td>
<td>300</td>
<td>0.011</td>
<td>1-1-2</td>
<td>&lt;15</td>
<td>300</td>
<td>0.011</td>
<td>1-1-2</td>
</tr>
<tr>
<td>VD-08 8” Ak = 0.26</td>
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<td></td>
<td></td>
<td>400</td>
<td>80</td>
<td>0.011</td>
<td>80</td>
<td>1-2-4</td>
<td>0.018</td>
<td>100</td>
<td>2-3-6</td>
<td>&lt;15</td>
<td>400</td>
<td>0.018</td>
<td>1-2-4</td>
<td>&lt;15</td>
<td>400</td>
<td>0.018</td>
<td>1-2-4</td>
<td>&lt;15</td>
<td>400</td>
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<td>1-2-4</td>
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<tr>
<td>VD-10 10” Ak = 0.34</td>
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<td>0.018</td>
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<td>120</td>
<td>2-4-7</td>
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<td>500</td>
<td>0.028</td>
<td>2-3-7</td>
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<td>0.028</td>
<td>2-3-7</td>
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<td>0.040</td>
<td>140</td>
<td>3-4-8</td>
<td>0.043</td>
<td>160</td>
<td>3-5-10</td>
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<td>600</td>
<td>0.043</td>
<td>3-4-8</td>
<td>&lt;15</td>
<td>600</td>
<td>0.043</td>
<td>3-4-8</td>
<td>&lt;15</td>
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<td>0.043</td>
<td>3-4-8</td>
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<tr>
<td>VD-14 14” Ak = 0.51</td>
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<td>700</td>
<td>180</td>
<td>0.055</td>
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<td>3-5-10</td>
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<td>3-6-12</td>
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<td>0.060</td>
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<td>0.060</td>
<td>3-5-10</td>
<td>&lt;15</td>
<td>700</td>
<td>0.060</td>
<td>3-5-10</td>
</tr>
</tbody>
</table>

### Notes:
1. Tests conducted in accordance with ANSI/ASHRAE 70-1991 at isothermal conditions.
2. Tests conducted with a straight rigid inlet condition. Other inlet conditions may alter performance.
3. Units: Total Pressure = in. wc; Velocity Pressure = in. wc; Effective Area (Ak) = ft².
4. Throw - feet at 150 fpm, 100 fpm and 50 fpm terminal velocities.
5. NC is based upon 10dB room absorption (Re: 10 watts) evaluated at 125 thru 4000 Hz octave bands.
6. Flow hoods are recommended for system balancing.
## ENGINEERING DATA

### Zone One™ 24” x 24” VD-XX VAV Diffuser

<table>
<thead>
<tr>
<th>Part Number and Neck Size</th>
<th>Neck Velocity (FPM)</th>
<th>Neck Velocity Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>300</td>
<td>400</td>
</tr>
<tr>
<td>VD-06 6” Ak = 0.19</td>
<td>Airflow (CFM)</td>
<td>60</td>
</tr>
<tr>
<td></td>
<td>Total Pressure</td>
<td>0.009</td>
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<td></td>
<td>Horizontal Throw</td>
<td>1-1-2</td>
</tr>
<tr>
<td></td>
<td>Noise Criteria</td>
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<tr>
<td></td>
<td>Airflow (CFM)</td>
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<tr>
<td></td>
<td>Total Pressure</td>
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<td></td>
<td>Horizontal Throw</td>
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<td>&lt;15</td>
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</tbody>
</table>

### Notes:

1. Tests conducted in accordance with ANSI/ASHRAE 70-1991 at isothermal conditions.
2. Tests conducted with a straight rigid inlet condition. Other inlet conditions may alter performance.
3. Units: Total Pressure = in. wc; Velocity Pressure -= in. wc; Effective Area (Ak) = ft.².
4. Throw - feet at 150 fpm, 100 fpm and 50 fpm terminal velocities.
5. NC is based upon 10dB room absorption (Re: 10 watts) evaluated at 125 thru 4000 Hz octave bands.
6. Flow hoods are recommended for system balancing.
ZONE ONE™
VD-XX-SD, Type LT, Lay-in, T-Bar, VAV Fully Modulating Auxiliary Diffuser Specifications

APPLICATION:
The Model VD-XX-SD VAV Comfort System™ Diffuser includes a diffuser and modulating actuator. The VD-XX-SD can be used as an auxiliary damper when wired to a VD-XX difuser actuator in applications where more than one diffuser is required in a single zone.

AVAILABLE SIZES:
- **Face Size:** 24" X 24" (23.75" x 23.75")
- **Neck Size:** 6", 8" for 12" x 12" face size
  - 6", 8", 10", 12", 14" for 24" x 24" face size

CONSTRUCTION:
- **Face Plate:** Removable 18 gauge steel with baked white enamel finish
- **Back Cone:** Unitary stamped 18 gauge steel

OPERATION:
- **Diffuser:** Integral modulating disk that continually regulates supply air volume in response to thermostat control
- **Air Volume Range:** 118 to 710 CFM

DIFFUSER ACTUATOR:
- 24 VAC, 2VA, 3-wire floating point actuator

COMPONENTS:
- Diffuser and actuator

AIR HANDLER CONTROL:
- Space thermostat
- Discharge air controller

WARRANTY:
- 5 Years

Drawings are intended to show general, overall product dimensions and provide guidance for installation clearance. Drawings are not to scale. Jackson Systems reserves the right to make product changes without notification or obligation.
## ENGINEERING DATA
### Zone One™ 24” x 24” VD-XX-SD Auxiliary VAV Diffuser

<table>
<thead>
<tr>
<th>Part Number and Neck Size</th>
<th>Neck Velocity (FPM)</th>
<th>300</th>
<th>400</th>
<th>500</th>
<th>600</th>
<th>700</th>
<th>800</th>
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<th>1000</th>
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<td>VD-06-SD 6” Ak = 0.19</td>
<td>Airflow (CFM)</td>
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<td>80</td>
<td>100</td>
<td>120</td>
<td>140</td>
<td>160</td>
<td>180</td>
<td>200</td>
<td>240</td>
<td>280</td>
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<td>Total Pressure</td>
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<td>1-3-5</td>
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<td>17</td>
<td>21</td>
<td>28</td>
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<td>VD-08-SD 8” Ak=0.26</td>
<td>Airflow (CFM)</td>
<td>105</td>
<td>140</td>
<td>175</td>
<td>210</td>
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<td>Total Pressure</td>
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<td>0.018</td>
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<td>0.040</td>
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<td>0.072</td>
<td>0.091</td>
<td>0.112</td>
<td>0.162</td>
<td>0.220</td>
</tr>
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<td>Horizontal Throw</td>
<td>1-2-4</td>
<td>2-3-6</td>
<td>2-4-7</td>
<td>3-4-9</td>
<td>3-5-10</td>
<td>4-6-12</td>
<td>4-6-12</td>
<td>5-7-13</td>
<td>6-9-14</td>
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<td></td>
<td>Noise Criteria</td>
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<td>&lt;15</td>
<td>&lt;15</td>
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<tr>
<td>VD-10-SD 10” Ak=0.34</td>
<td>Airflow (CFM)</td>
<td>165</td>
<td>220</td>
<td>275</td>
<td>330</td>
<td>385</td>
<td>440</td>
<td>495</td>
<td>550</td>
<td>660</td>
<td>770</td>
</tr>
<tr>
<td></td>
<td>Total Pressure</td>
<td>0.017</td>
<td>0.029</td>
<td>0.043</td>
<td>0.060</td>
<td>0.082</td>
<td>0.108</td>
<td>0.136</td>
<td>0.168</td>
<td>0.243</td>
<td>0.331</td>
</tr>
<tr>
<td></td>
<td>Horizontal Throw</td>
<td>2-3-7</td>
<td>3-4-8</td>
<td>3-5-10</td>
<td>4-6-12</td>
<td>5-7-13</td>
<td>5-8-14</td>
<td>6-9-15</td>
<td>7-10-16</td>
<td>8-12-18</td>
<td>10-13-19</td>
</tr>
<tr>
<td></td>
<td>Noise Criteria</td>
<td>&lt;15</td>
<td>&lt;15</td>
<td>&lt;15</td>
<td>&lt;15</td>
<td>&lt;15</td>
<td>&lt;15</td>
<td>&lt;15</td>
<td>17</td>
<td>21</td>
<td>24</td>
</tr>
<tr>
<td>VD-12-SD 12” Ak=0.40</td>
<td>Airflow (CFM)</td>
<td>240</td>
<td>310</td>
<td>390</td>
<td>470</td>
<td>550</td>
<td>630</td>
<td>710</td>
<td>790</td>
<td>940</td>
<td>1100</td>
</tr>
<tr>
<td></td>
<td>Total Pressure</td>
<td>0.023</td>
<td>0.037</td>
<td>0.059</td>
<td>0.085</td>
<td>0.115</td>
<td>0.151</td>
<td>0.191</td>
<td>0.237</td>
<td>0.338</td>
<td>0.461</td>
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<td></td>
<td>Horizontal Throw</td>
<td>2-4-7</td>
<td>4-5-11</td>
<td>5-7-14</td>
<td>5-8-15</td>
<td>6-9-16</td>
<td>7-11-17</td>
<td>8-12-18</td>
<td>9-14-19</td>
<td>11-15-21</td>
<td>13-16-23</td>
</tr>
<tr>
<td></td>
<td>Noise Criteria</td>
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<td>&lt;15</td>
<td>&lt;15</td>
<td>&lt;15</td>
<td>&lt;15</td>
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<td>18</td>
<td>23</td>
<td>27</td>
<td>31</td>
</tr>
<tr>
<td>VD-14-SD 14” Ak=0.51</td>
<td>Airflow (CFM)</td>
<td>320</td>
<td>430</td>
<td>530</td>
<td>640</td>
<td>750</td>
<td>860</td>
<td>960</td>
<td>1070</td>
<td>1280</td>
<td>1500</td>
</tr>
<tr>
<td></td>
<td>Total Pressure</td>
<td>0.031</td>
<td>0.050</td>
<td>0.078</td>
<td>0.114</td>
<td>0.155</td>
<td>0.202</td>
<td>0.256</td>
<td>0.316</td>
<td>0.453</td>
<td>0.619</td>
</tr>
<tr>
<td></td>
<td>Horizontal Throw</td>
<td>3-4-8</td>
<td>4-7-13</td>
<td>6-8-16</td>
<td>7-10-17</td>
<td>8-12-19</td>
<td>9-13-20</td>
<td>10-15-21</td>
<td>11-16-23</td>
<td>13-17-25</td>
<td>15-19-27</td>
</tr>
<tr>
<td></td>
<td>Noise Criteria</td>
<td>&lt;15</td>
<td>&lt;15</td>
<td>&lt;15</td>
<td>&lt;15</td>
<td>20</td>
<td>25</td>
<td>29</td>
<td>33</td>
<td>40</td>
<td>45</td>
</tr>
</tbody>
</table>

**Notes:**
1. Tests conducted in accordance with ANSI/ASHRAE 70-1991 at isothermal conditions.
2. Tests conducted with a straight rigid inlet condition. Other inlet conditions may alter performance.
3. Units: Total Pressure = in. wc; Velocity Pressure -= in. wc; Effective Area (Ak) = ft.².
4. Throw - feet at 150 fpm, 100 fpm and 50 fpm terminal velocities.
5. NC is based upon 10dB room absorption (Re: 10 watts) evaluated at 125 thru 4000 Hz octave bands.
6. Flow hoods are recommended for system balancing.
ZONE ONE™
EB-XX Round, Electronic Bypass Damper Specifications

SPECIFICATIONS

DIMENSIONS:
Damper models EB-XX are available in standard sizes from 12” to 20”

APPLICATION:
Compatible for zone control and other HVAC applications in maintaining system static pressure from 0.08” to 0.80” W.C.

CONSTRUCTION:
18 gauge spiral steel shell
18 gauge steel blade
1/8” aluminum shaft
Nylon bushings
Air tight blade seals
Minimum position adjustment

ELECTRICAL:
24 Volt, 2 VA, floating point
90 second timing
44 lb.-in.

FACTORY MOUNTED STATIC PRESSURE CONTROL:
1/4” I.D. flex hose connection
Tubing and plastic pressure probe included
Solid state control design
Built-in LED for damper direction
0.08” to 0.80” W.C. pressure range
40” W.C. maximum pressure
1 Amp switching current at 24 VAC

Drawings are intended to show general, overall product dimensions and provide guidance for installation clearance. Drawings are not to scale. Jackson Systems reserves the right to make product changes without notification or obligation.
ZONE ONE™
EB-XXXX Rectangular, Electronic Bypass Damper Specifications

DIMENSIONS:
Damper models EB-XXXX are sized width (A) by height (B) with actuator on the (B) dimension. Actual (A) and (B) dimensions are undercut 1/4". Standard sizes range from 8" x 8" up to 36" x 24" in 2" increments.

APPLICATION:
Compatible for zone control and other HVAC applications in maintaining system static pressure from 0.08" to 0.80" W.C.

CONSTRUCTION:
1/16" extruded aluminum frame
1/16" extruded aluminum parallel blades
1/16" aluminum mounting flange
Nylon bushings
Minimum position adjustment

ELECTRICAL:
24 Volt, 2 VA, floating point
90 second timing
44 lb.-in.

STATIC PRESSURE CONTROL:
Factory mounted on “B” dimensions 14” and up
1/4” I.D. flex hose connection
Tubing and plastic pressure probe included
Solid state control design
Built-in LED for damper direction
0.08” to 0.80” W.C. pressure range
40” W.C. maximum pressure
1 Amp switching current at 24 VAC

Drawings are intended to show general, overall product dimensions and provide guidance for installation clearance. Drawings are not to scale. Jackson Systems reserves the right to make product changes without notification or obligation.

Jackson Systems
Zone Control Made Simple™

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08-1054-071009