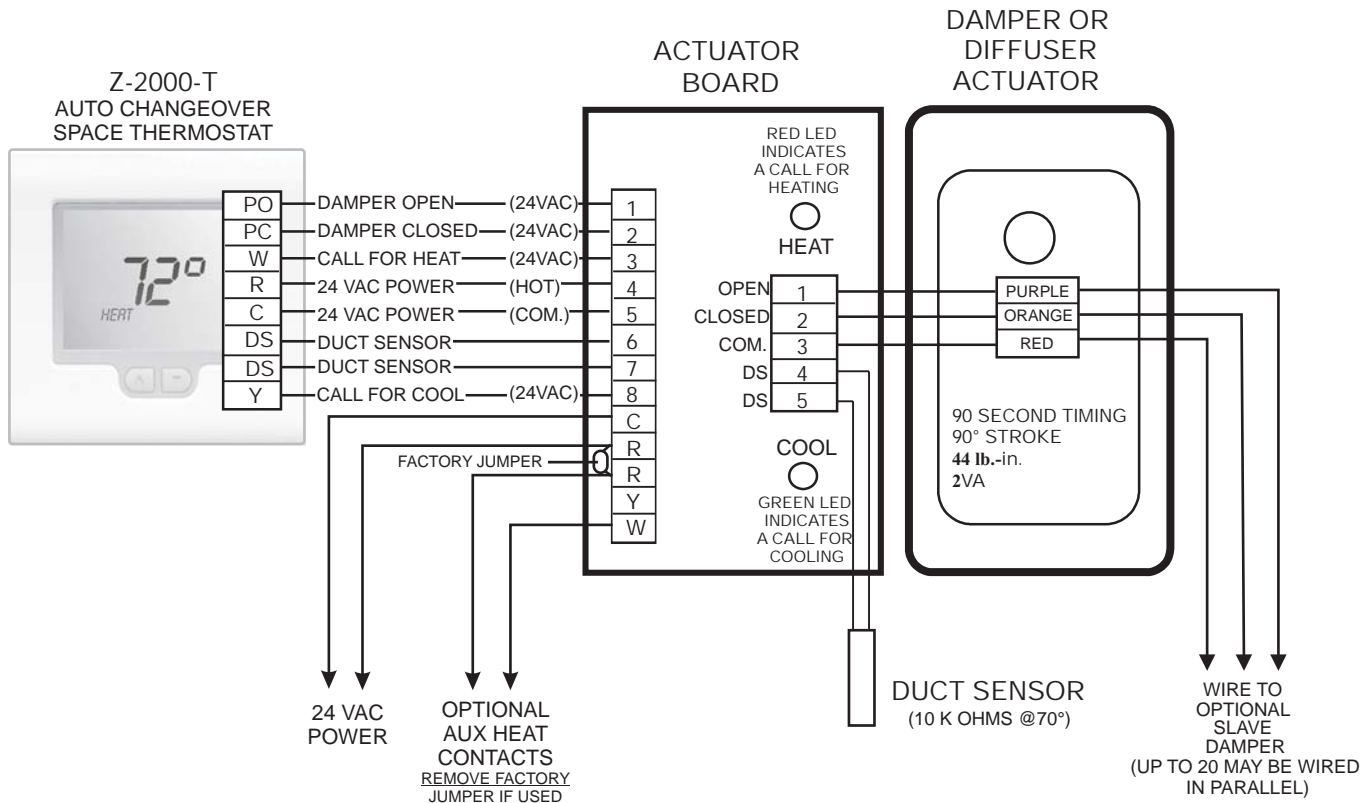


ZONE ONE™ MODULATING STAND-ALONE ZONE DAMPER ASSEMBLY



SEQUENCE 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 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



DISASSEMBLING THERMOSTAT

Insert a small coin (dime) into the release slot located on the bottom of the thermostat. Gently twist the coin to release the thermostat from the subbase. Avoid twisting the case as this may stress the LCD and cause it to crack or bend the wiring terminal connection pins.

SWITCH FUNCTIONS

There are eight dip switches located on the thermostat PC board. Only dip switches 1, 2 and 3 are active.

SWITCH 1 - Switch 1 is used to lock the thermostat after setup is completed. When the thermostat is locked (ON position) a padlock icon will show on the LCD. When locked, only setpoint changes and status functions can be accessed by the user. Do not set Switch 1 in the ON position until all SETUP functions are completed.

SWITCH 2 - Switch 2 is used to display the space temperature and setpoint in Celsius (ON position) or Fahrenheit (OFF position). Select Celsius or Fahrenheit before proceeding to the thermostat SETUP menu.

SWITCH 3 - Switch 3 is used to select two-position (ON) or fully modulating (OFF) damper control to best suit the specific application requirement.

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

C	24 Vac (Common)
R	24 Vac (Hot)
PO	Power Open
PC	Power Close
DS (2)	Duct Sensor
Y	Cooling Relay
W	Heating Relay
A / B	Modbus Communications

FACTORY DEFAULT SETTINGS

Minimum Heating Damper Position	10%
Minimum Cooling Damper Position	10%
Maximum Damper Position	100%
Unit Number	00
Zone Number	00
Heating Limit	76° F
Cooling Limit	68° F
Actuator Speed	90
Modbus Address	01
Temperature Calibration Offset	0

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.

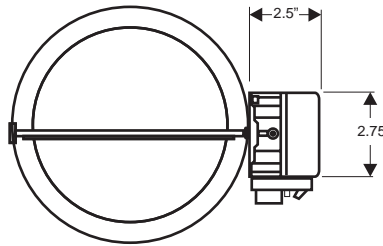
AVAILABLE SIZES:

Diameters: 6", 8", 10", 12", 14", 16", 18", 20"

Length: 6" - 20" diameter = 10"

CONSTRUCTION:

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



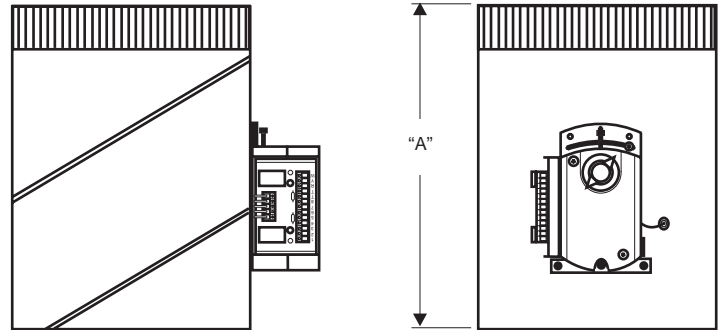
DAMPER SIZE	"A" DIMENSION
6"	10"
8"	10"
10"	10"
12"	10"
14"	10"
16"	10"
18"	10"
20"	10"

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.



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 Toll Free: 888.652.9663 Fax: 317.227.1034
www.jacksonsystems.com

ZONE ONE™

SD-XX SERIES ZONE CONTROL DAMPER SPECIFICATIONS

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.

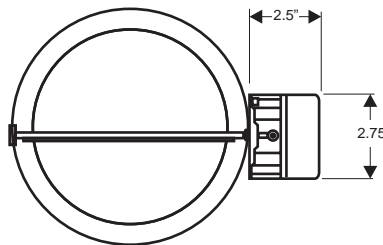
AVAILABLE SIZES:

Diameters: 6", 8", 10", 12", 14", 16", 18", 20"

Length: 6" - 20" diameter = 10"

CONSTRUCTION:

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



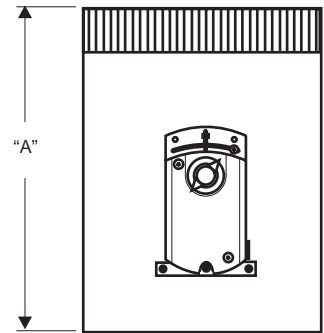
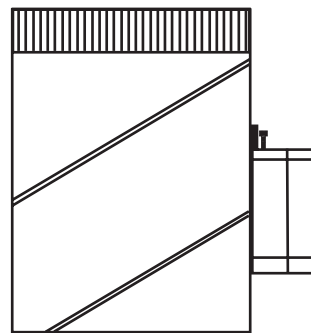
DAMPER SIZE	"A" DIMENSION
6"	10"
8"	10"
10"	10"
12"	10"
14"	10"
16"	10"
18"	10"
20"	10"

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

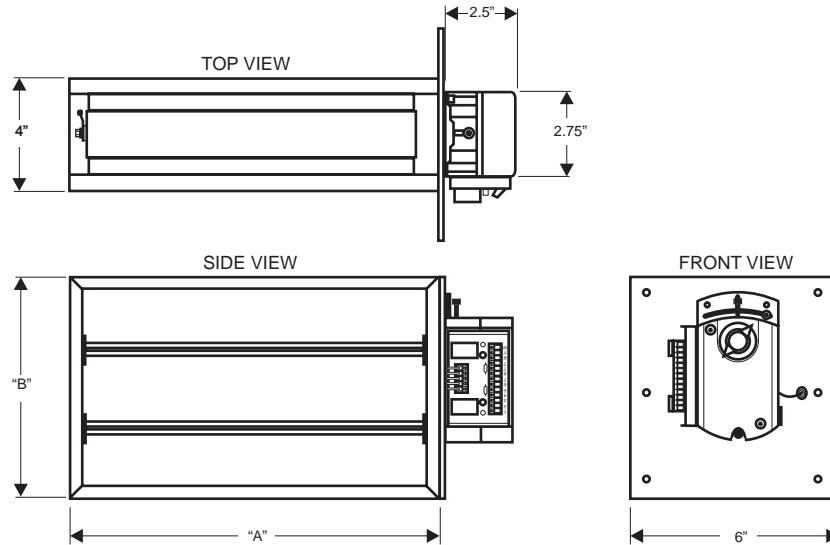
WARRANTY:

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:	1/2" 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

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.

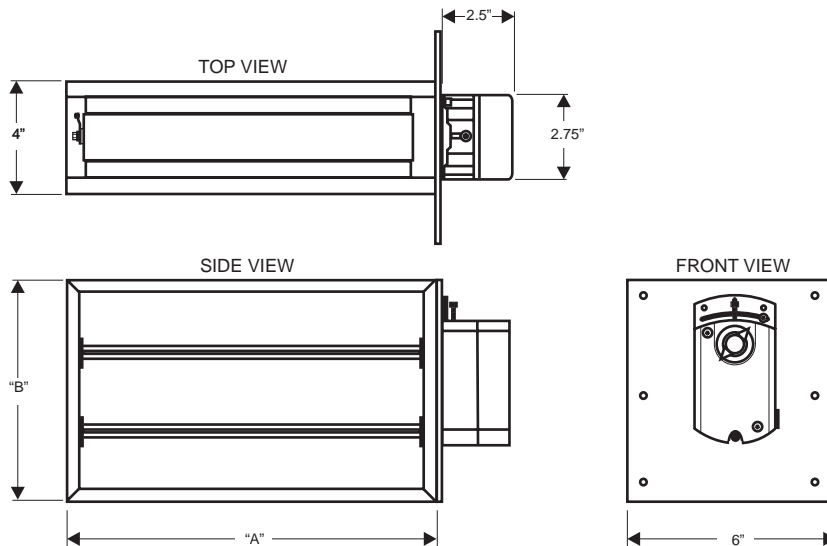
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08-1049-012808

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:	1/2" 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

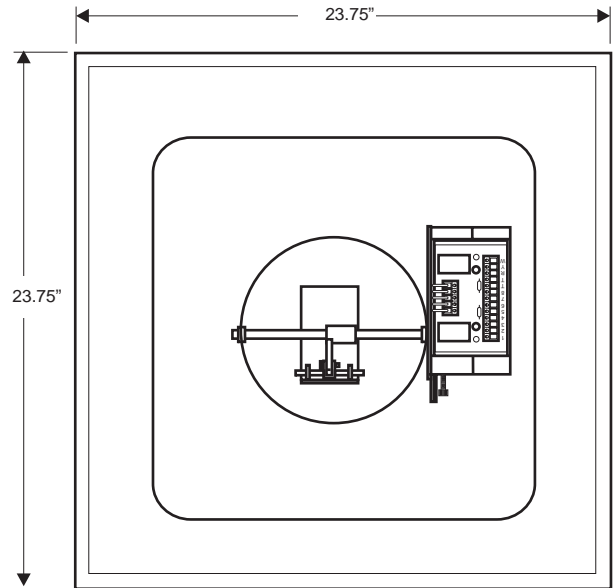
CONSTRUCTION:

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



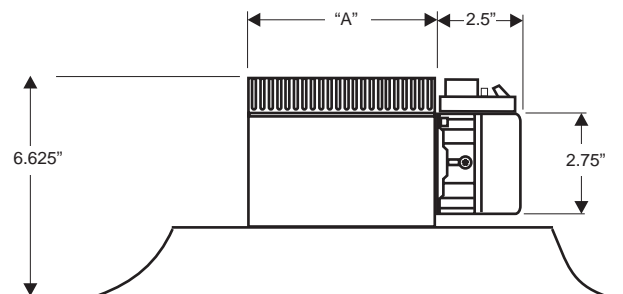
TOP VIEW

DIFFUSER ACTUATOR:

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

COMPONENTS:

Diffuser, actuator, PC board and discharge air sensor



SIDE VIEW

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

Part Number and Neck Size	Neck Velocity (FPM)	300	400	500	600	700	800	900	1000	1200	1400
	Velocity Pressure	0.006	0.01	0.016	0.022	0.031	0.04	0.051	0.062	0.09	0.122
VD-06 6" Ak = 0.19	Airflow (CFM)	60	80	100	120	140	160	180	200	240	280
	Total Pressure	0.009	0.011	0.017	0.025	0.034	0.044	0.057	0.070	0.100	0.135
	Horizontal Throw	1-1-2	1-1-4	1-2-4	1-3-5	2-3-6	2-4-7	3-4-8	3-4-9	4-5-11	4-6-11
	Noise Criteria	<15	<15	<15	<15	<15	<15	17	21	28	34
VD-08 8" Ak=0.26	Airflow (CFM)	105	140	175	210	245	280	315	350	420	490
	Total Pressure	0.011	0.018	0.028	0.040	0.055	0.072	0.091	0.112	0.162	0.220
	Horizontal Throw	1-2-4	2-3-6	2-4-7	3-4-9	3-5-10	4-6-12	4-6-12	5-7-13	6-9-14	7-10-15
	Noise Criteria	<15	<15	<15	<15	<15	17	21	25	32	38
VD-10 10" Ak=0.34	Airflow (CFM)	165	220	275	330	385	440	495	550	660	770
	Total Pressure	0.017	0.029	0.043	0.060	0.082	0.108	0.136	0.168	0.243	0.331
	Horizontal Throw	2-3-7	3-4-8	3-5-10	4-6-12	5-7-13	5-8-14	6-9-15	7-10-16	8-12-18	10-13-19
	Noise Criteria	<15	<15	<15	<15	15	20	24	28	35	41
VD-12 12" Ak=0.40	Airflow (CFM)	240	310	390	470	550	630	710	790	940	1100
	Total Pressure	0.023	0.037	0.059	0.085	0.115	0.151	0.191	0.237	0.338	0.461
	Horizontal Throw	2-4-7	4-5-11	5-7-14	5-8-15	6-9-16	7-11-17	8-12-18	9-14-19	11-15-21	13-16-23
	Noise Criteria	<15	<15	<15	<15	18	23	27	31	38	43
VD-14 14" Ak=0.51	Airflow (CFM)	320	430	530	640	750	860	960	1070	1280	1500
	Total Pressure	0.031	0.050	0.078	0.114	0.155	0.202	0.256	0.316	0.453	0.619
	Horizontal Throw	3-4-8	4-7-13	6-8-16	7-10-17	8-12-19	9-13-20	10-15-21	11-16-23	13-17-25	15-19-27
	Noise Criteria	<15	<15	<15	<15	20	25	29	33	40	45

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: 10⁻¹² 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

Part Number and Neck Size	Neck Velocity (FPM)	300	400	500	600	700	800	900	1000	1200	1400
	Velocity Pressure	0.006	0.01	0.016	0.022	0.031	0.04	0.051	0.062	0.09	0.122
VD-06 6" Ak = 0.19	Airflow (CFM)	60	80	100	120	140	160	180	200	240	280
	Total Pressure	0.009	0.011	0.017	0.025	0.034	0.044	0.057	0.070	0.100	0.135
	Horizontal Throw	1-1-2	1-1-4	1-2-4	1-3-5	2-3-6	2-4-7	3-4-8	3-4-9	4-5-11	4-6-11
	Noise Criteria	<15	<15	<15	<15	<15	<15	17	21	28	34
VD-08 8" Ak=0.26	Airflow (CFM)	105	140	175	210	245	280	315	350	420	490
	Total Pressure	0.011	0.018	0.028	0.040	0.055	0.072	0.091	0.112	0.162	0.220
	Horizontal Throw	1-2-4	2-3-6	2-4-7	3-4-9	3-5-10	4-6-12	4-6-12	5-7-13	6-9-14	7-10-15
	Noise Criteria	<15	<15	<15	<15	<15	17	21	25	32	38
VD-10 10" Ak=0.34	Airflow (CFM)	165	220	275	330	385	440	495	550	660	770
	Total Pressure	0.017	0.029	0.043	0.060	0.082	0.108	0.136	0.168	0.243	0.331
	Horizontal Throw	2-3-7	3-4-8	3-5-10	4-6-12	5-7-13	5-8-14	6-9-15	7-10-16	8-12-18	10-13-19
	Noise Criteria	<15	<15	<15	<15	15	20	24	28	35	41
VD-12 12" Ak=0.40	Airflow (CFM)	240	310	390	470	550	630	710	790	940	1100
	Total Pressure	0.023	0.037	0.059	0.085	0.115	0.151	0.191	0.237	0.338	0.461
	Horizontal Throw	2-4-7	4-5-11	5-7-14	5-8-15	6-9-16	7-11-17	8-12-18	9-14-19	11-15-21	13-16-23
	Noise Criteria	<15	<15	<15	<15	18	23	27	31	38	43
VD-14 14" Ak=0.51	Airflow (CFM)	320	430	530	640	750	860	960	1070	1280	1500
	Total Pressure	0.031	0.050	0.078	0.114	0.155	0.202	0.256	0.316	0.453	0.619
	Horizontal Throw	3-4-8	4-7-13	6-8-16	7-10-17	8-12-19	9-13-20	10-15-21	11-16-23	13-17-25	15-19-27
	Noise Criteria	<15	<15	<15	<15	20	25	29	33	40	45

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: 10⁻¹² 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:

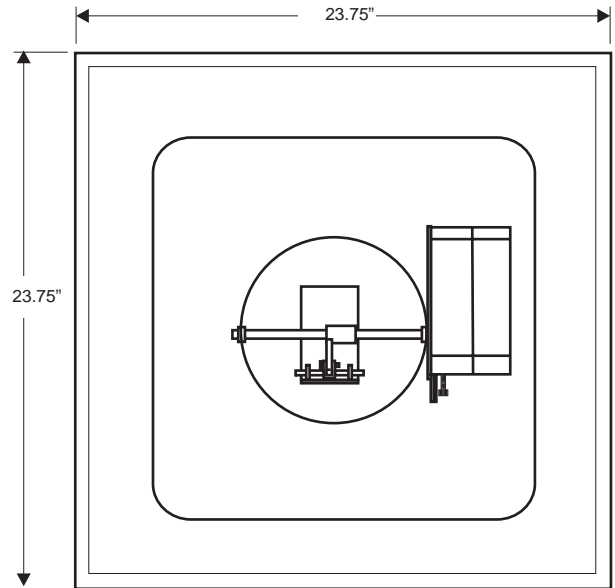
Face Size: 24" X 24" (23.75" x 23.75")
 Neck Size: 6", 8" for 12" x 12" face size
 6", 8", 10", 12", 14" for 24" x 24" face size

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



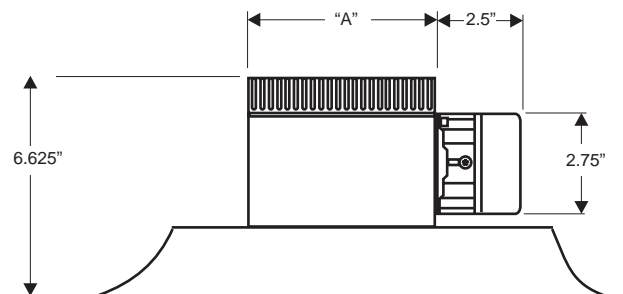
TOP VIEW

DIFFUSER ACTUATOR:

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

COMPONENTS:

Diffuser and actuator



SIDE VIEW

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

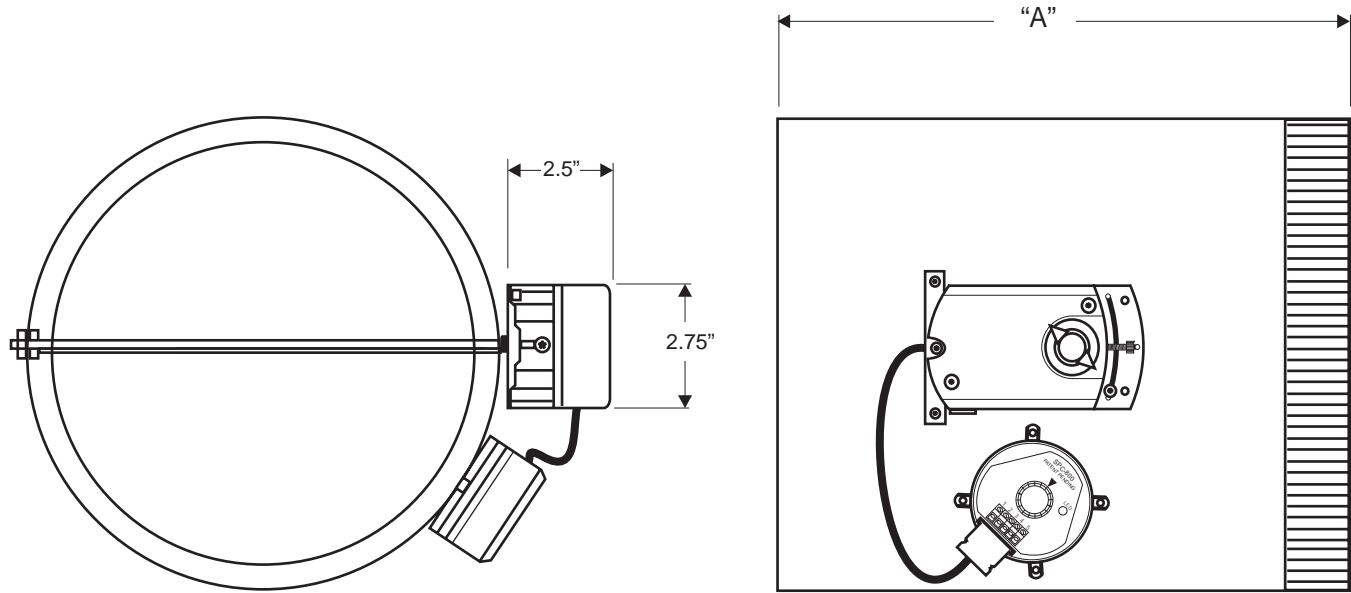
Part Number and Neck Size	Neck Velocity (FPM)	300	400	500	600	700	800	900	1000	1200	1400
	Velocity Pressure	0.006	0.01	0.016	0.022	0.031	0.04	0.051	0.062	0.09	0.122
VD-06-SD 6" Ak = 0.19	Airflow (CFM)	60	80	100	120	140	160	180	200	240	280
	Total Pressure	0.009	0.011	0.017	0.025	0.034	0.044	0.057	0.070	0.100	0.135
	Horizontal Throw	1-1-2	1-1-4	1-2-4	1-3-5	2-3-6	2-4-7	3-4-8	3-4-9	4-5-11	4-6-11
	Noise Criteria	<15	<15	<15	<15	<15	<15	17	21	28	34
VD-08-SD 8" Ak=0.26	Airflow (CFM)	105	140	175	210	245	280	315	350	420	490
	Total Pressure	0.011	0.018	0.028	0.040	0.055	0.072	0.091	0.112	0.162	0.220
	Horizontal Throw	1-2-4	2-3-6	2-4-7	3-4-9	3-5-10	4-6-12	4-6-12	5-7-13	6-9-14	7-10-15
	Noise Criteria	<15	<15	<15	<15	<15	17	21	25	32	38
VD-10-SD 10" Ak=0.34	Airflow (CFM)	165	220	275	330	385	440	495	550	660	770
	Total Pressure	0.017	0.029	0.043	0.060	0.082	0.108	0.136	0.168	0.243	0.331
	Horizontal Throw	2-3-7	3-4-8	3-5-10	4-6-12	5-7-13	5-8-14	6-9-15	7-10-16	8-12-18	10-13-19
	Noise Criteria	<15	<15	<15	<15	15	20	24	28	35	41
VD-12-SD 12" Ak=0.40	Airflow (CFM)	240	310	390	470	550	630	710	790	940	1100
	Total Pressure	0.023	0.037	0.059	0.085	0.115	0.151	0.191	0.237	0.338	0.461
	Horizontal Throw	2-4-7	4-5-11	5-7-14	5-8-15	6-9-16	7-11-17	8-12-18	9-14-19	11-15-21	13-16-23
	Noise Criteria	<15	<15	<15	<15	18	23	27	31	38	43
VD-14-SD 14" Ak=0.51	Airflow (CFM)	320	430	530	640	750	860	960	1070	1280	1500
	Total Pressure	0.031	0.050	0.078	0.114	0.155	0.202	0.256	0.316	0.453	0.619
	Horizontal Throw	3-4-8	4-7-13	6-8-16	7-10-17	8-12-19	9-13-20	10-15-21	11-16-23	13-17-25	15-19-27
	Noise Criteria	<15	<15	<15	<15	20	25	29	33	40	45

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: 10⁻¹² 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



DAMPER SIZE	"A" DIMENSION
12"	13"
14"	14"
16"	14"
18"	14"
20"	14"

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
- 1/2" aluminum shaft
- Nylon bushings
- Air tight blade seals
- Minimum position adjustment

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

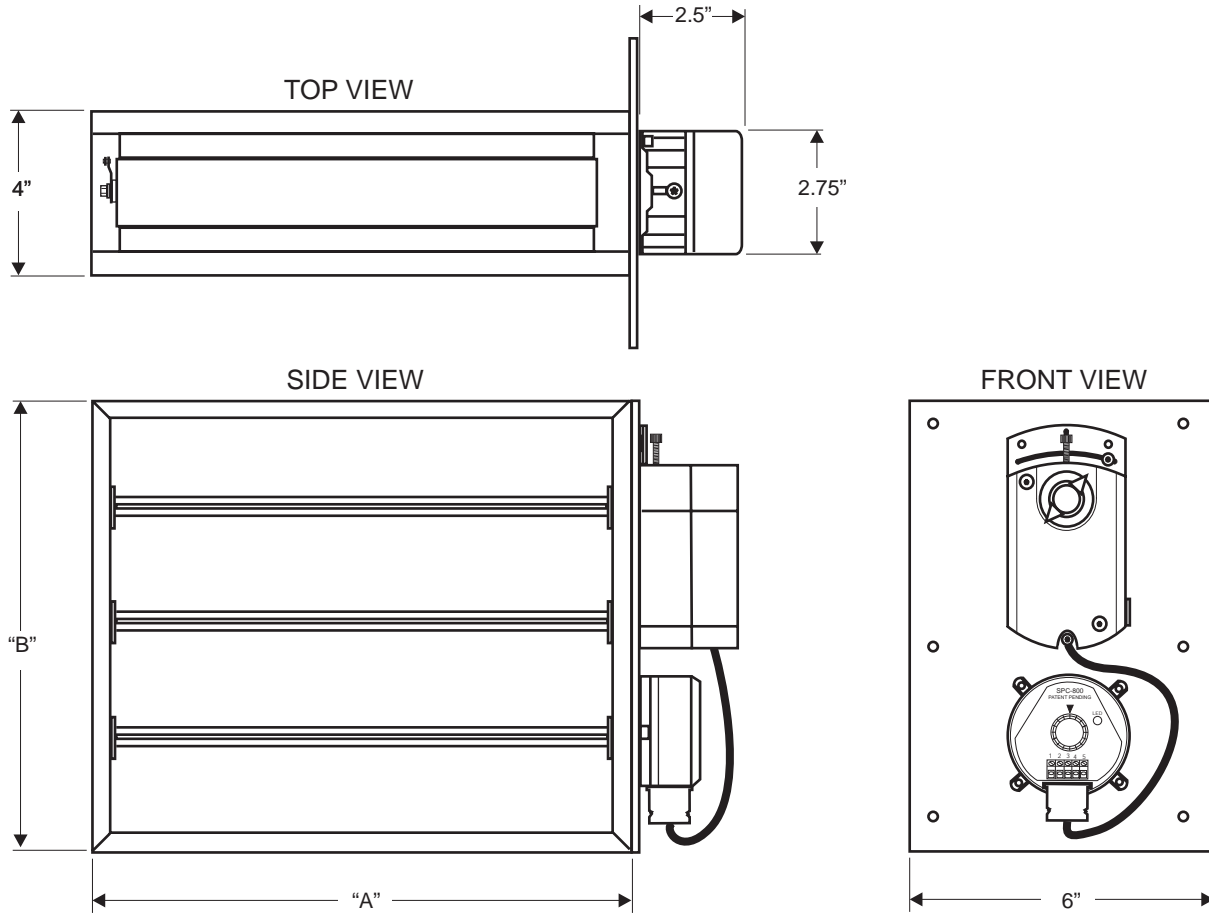
ELECTRICAL:

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

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



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

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

ELECTRICAL:

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

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.

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