SPECIFIED CONTROLS

888-359-0365
www.specifiedcontrols.com

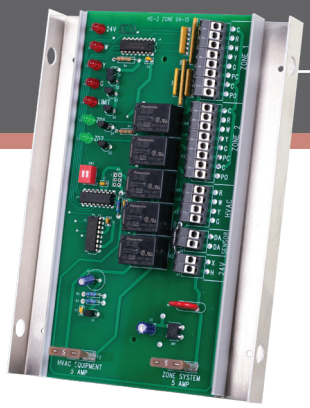
CONTROLS MADE SIMPLE

Commercial and Multifamily Controls...Simplified



STANDARD ZONE PANELS *Ideal for large apartments and townhomes*

2 Zones



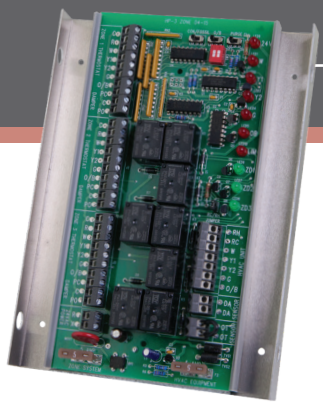
SC-Z2-HC *(1 Heat / 1 Cool)*

3 Zones



SC-Z3-HC-MS *(Up to 2 Heat / 2 Cool)*

3 Zones



SC-Z3-HPS *(Up to 3 Heat / 2 Cool, Heat Pump or Dual Fuel)*

These zone panels represent the most contractor-friendly zoning solution available. The SC-Z2-HC is a single-stage heat/cool panel designed to control 2 zones. The SC-Z3-HC-MS and SC-Z3-HPS panels are designed to fit 3-zone applications for single-stage, multi-stage, heat pump or dual fuel systems. All panels can accommodate 2 and 3 wire dampers. In most applications, EB Series Electronic Byass Dampers will be required. See back page for more information on dampers.

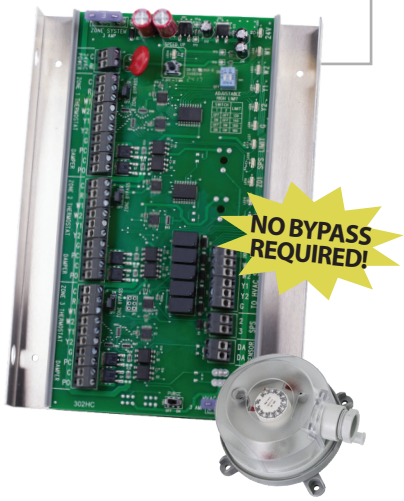
ESP ZONE PANELS *Ideal for large apartments and townhomes*

2 Zones



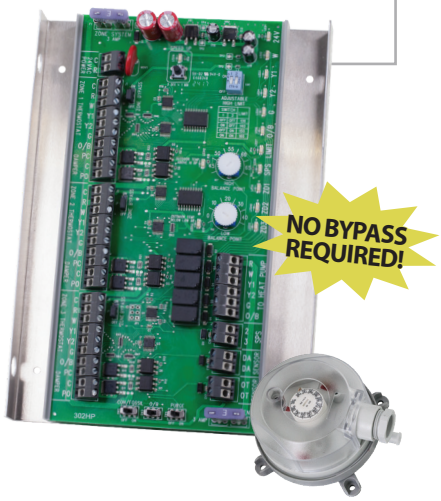
SC-Z2-HC-ESP *(Up to 1 Heat / 1 Cool)*

3 Zones



SC-Z3-HC-MS-ESP *(Up to 2 Heat / 2 Cool)*

3 Zones

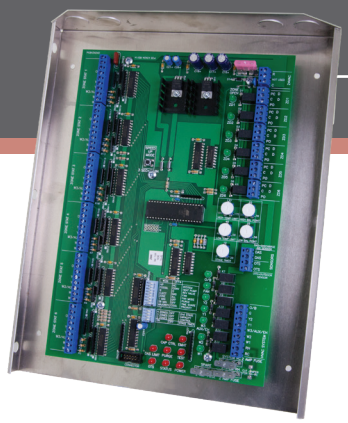


SC-Z3-HPS-ESP *(Up to 3 Heat / 2 Cool, Heat Pump or Dual Fuel)*

All of the ESP zone panels are equipped with award-winning electronic static pressure control technology. As zone dampers open and close, the static pressure sensor continuously monitors the system static pressure. If the static pressure goes above the static pressure setpoint, the panel will open the non-calling zones just enough to relieve the excess pressure and bring the system below the desired static pressure setpoint. This eliminates the need for a conventional bypass damper. Static pressure sensor is included.

All zone panels have a 10 year warranty

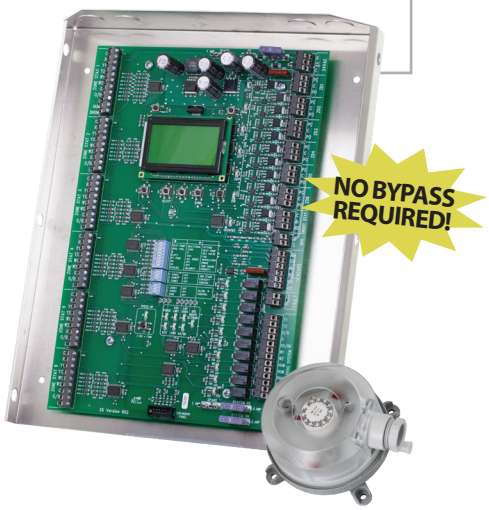
6 Zones



SC-Z6 *(Up to 3 Heat / 2 Cool, Heat Pump or Dual Fuel)*
SC-Z6-EP *Expansion Panel for SC-Z6 (9 or 12 zones)*

The SC-Z6 is a 6 zone, two-position forced air zone control panel that can be expanded to as many as 12 zones. The panel can be used with single stage, multi-stage, and heat pump equipment, as well as dual fuel systems having up to 3 stages of heating and 2 stages of cooling. The 3-zone expansion panel is used with the SC-ZP6 zoning panel to increase the number of zones to 12.

6 Zones

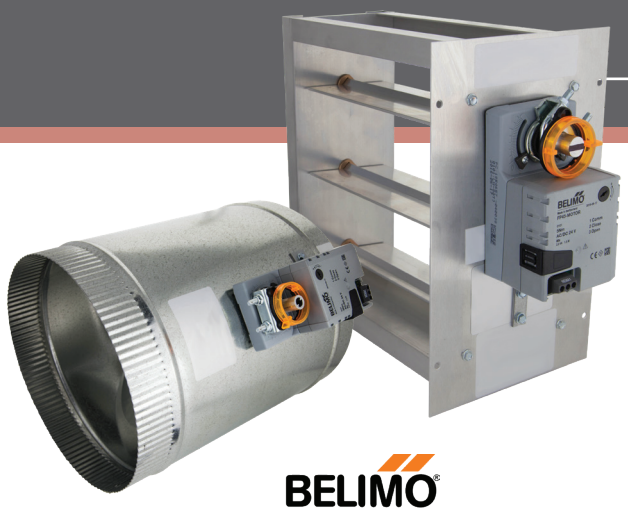


SC-Z6-ESP *(Up to 4 Heat / 2 Cool, Heat Pump or Dual Fuel)*

The SC-ZP6-ESP is a 6 zone, two-position forced air zone control panel. The panel can be used with single-stage, multi-stage, heat pump or dual fuel equipment with up to 4 stages of heating and 2 stages of cooling. Slide switch or push button configuration makes setup quick and easy. This zone control system comes with built-in ESP static pressure control which eliminates the need for a bypass damper.

	Standard Panels				ESP Panels			
ZONE PANEL FEATURES	**SC-Z2-HC**	**SC-Z3-HC-MS**	**SC-Z3-HPS**	**SC-Z6**	**SC-Z2-HC-ESP**	**SC-Z3-HC-MS-ESP**	**SC-Z3-HPS-ESP**	**SC-Z6-ESP**
TWO-POSITION CONTROL	✓	✓	✓	✓	✓	✓	✓	✓
NUMBER OF ZONES	2	3	3	6	2	3	3	6
HEAT / COOL PANEL	✓	✓		✓	✓	✓		✓
HEAT PUMP PANEL			✓	✓			✓	✓
HEATING STAGES	1	2	3	3	1	2	3	4
COOLING STAGES	1	2	2	2	1	2	2	2
STAGING BY THERMOSTAT	✓	✓	✓	✓	✓	✓	✓	✓
STAGING BY TIMER				✓				✓
CAPACITY CONTROL				✓				✓
BUILT-IN DUAL FUEL KIT			✓	✓			✓	✓
AUTO CHANGEOVER	✓	✓	✓	✓	✓	✓	✓	✓
FIRST CALL PRIORITY	✓	✓	✓		✓	✓	✓	
COOLING PRIORITY				✓				✓
MAJORITY WINS PRIORITY				✓				✓
TIME SHARE	✓	✓	✓	✓	✓	✓	✓	✓
HI / LOW LIMIT SENSOR	✓	✓	✓	✓	✓	✓	✓	✓
INDEPENDENT FAN MODE	✓	✓	✓	✓	✓	✓	✓	✓
SYSTEM STATUS LEDS	✓	✓	✓	✓	✓	✓	✓	✓
SHORT CYCLE PROTECTION	✓	✓	✓	✓	✓	✓	✓	✓
TIME DELAY OVERRIDE				✓	✓	✓	✓	✓
PURGE CYCLE		✓	✓	✓		✓	✓	✓
2-WIRE DAMPERS	✓	✓	✓	✓	✓	✓	✓	✓
3-WIRE DAMPERS *(MUST BE USED FOR ESP FUNCTION)*	✓	✓	✓	✓	✓	✓	✓	✓
DOUBLE FUSED	✓	✓	✓	✓	✓	✓	✓	✓
FAULT SIGNAL								✓
DS/BK CONTROL								✓
NIGHT STAT OPTION								✓
10 YEAR WARRANTY	✓	✓	✓	✓	✓	✓	✓	✓

SD & MD Series Dampers



The SD and MD series dampers are heavy-duty commercial dampers. The 3-wire actuator allows for the damper to be used in both two position and modulating applications. When used with the 2 zone, 3 zone or 6 zone standard or ESP panels, the dampers will provide two position control (open/close). These dampers can also be used as auxiliary dampers in an application where more than one damper is required within a specific zone.

SD Series: 90 second timing

MD Series: 60 second timing

See back page for more damper information.



SC-T32-TS
The SC-T32-TS is a universal, low-cost touchscreen thermostat available exclusively from Specified Controls. The SC-T32-TS can be battery powered or hardwired, which is ideally suited for light commercial applications.



SC-T32-P
The SC-T32-P universal thermostat is a perfect mix of aesthetics, intuitive operation and performance at an affordable price. The SC-T32-P is compatible with most commercial HVAC systems and is ideally suited for use with Specified Controls zoning products.

Panels and dampers are compatible with most major thermostat manufacturers

Honeywell Home · ecobee · nest · LUX · Braeburn · WHITE-RODGERS · Aprilaire

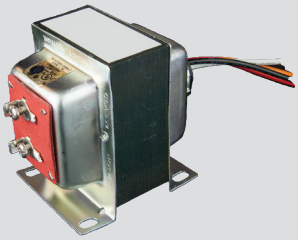
Additional Products



Discharge Air Sensor
SC-Z20-DAS
SC-Z6-DAS

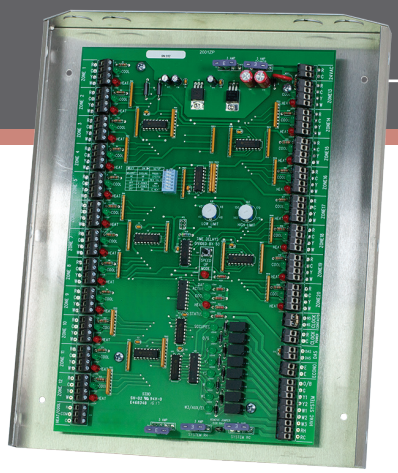


Temperature Sensors
SC-T-OTS Outdoor Temperature Sensor
SC-T-S1 Room Sensor
SC-T-S2 Room Sensor



Transformer
SC-TR20 (20VA)
SC-TR40 (40VA)
SC-TR75 (75VA)

20 Zones

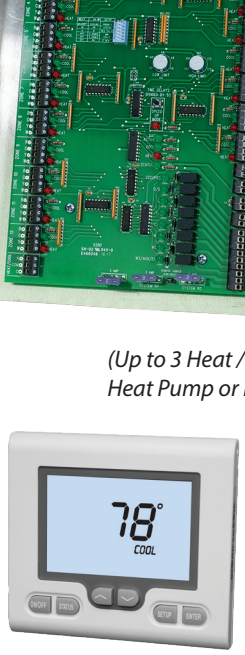


SC-Z20 *(Up to 3 Heat / 2 Cool, Heat Pump or Dual Fuel)*

The SC-Z20 Modulating Zone Control System is a commercial zoning system that allows a single HVAC unit to have up to 20 individual zones. Each zone is controlled by its own space thermostat and a modulating damper. The SC-Z20 controls up to 2 stages of heating and 2 stages of cooling on standard equipment, and 3 stages of heating and 2 stages of cooling on heat pump. The system must be used with modulating ZD series dampers, VD series diffusers or a combination of both.

Ideal for club houses and common areas

MODULATING ZONE PANEL FEATURES	SC-Z20
NUMBER OF ZONES	20
HEAT / COOL PANEL	✓
HEAT PUMP PANEL	✓
CONVENTIONAL HEATING STAGES	2
CONVENTIONAL COOLING STAGES	2
HEAT PUMP HEATING STAGES	3
HEAT PUMP COOLING STAGES	2
BUILT-IN DUAL FUEL KIT	✓
AUTO CHANGEOVER	✓
SELECTABLE COOLING PRIORITY	✓
SELECTABLE MAJORITY WINS PRIORITY	✓
HI / LOW LIMIT SENSOR	✓
SYSTEM STATUS LEDS	✓
SHORT CYCLE PROTECTION	✓
TIME DELAY OVERRIDE	✓
PURGE CYCLE	✓
3-WIRE DAMPERS	✓
MODULATING	✓
DOUBLE FUSED	✓
MINIMUM CALL REQUIREMENT	✓
DEDICATED ECONOMIZER OUTPUT	✓
10 YEAR WARRANTY	✓



SC-Z20-T
The SC-Z20-T thermostat is designed to be used with the SC-Z20 modulating zone control panel and the stand-alone damper or VAV diffuser.



SC-Z20-NS
The SC-Z20-NS programmable night stat can be used for occupied and unoccupied scheduling of the SC-Z20.



Modulating ZD/VD Series Zone Dampers/VAV Diffusers
The ZD series dampers and VD series VAV diffusers are heavy duty commercial dampers and VAV diffusers with 3-wire actuators from Belimo. These power open/power closed dampers provide application flexibility and allow for min and max position adjustment. The ZD series dampers and VD series VAV diffusers are used with the SC-Z20-T thermostat.
See back page.



Modulating SD Series Zone Dampers/VAV Diffusers
The SD series dampers and VD-SD series VAV diffusers are heavy-duty commercial dampers and VAV diffusers. Dependent upon the application, the SD series can be used with all SC zone panels. In modulating zoning applications, they are used as drone/ auxiliary air devices. These will modulate in parallel with the master dampers (ZD and VD series).
See back page.



EB Series Bypass Dampers
EB series electronic bypass dampers are used to automatically bypass excess air when increases in duct static pressure occur due to closing of zone dampers. They utilize a fully calibrated pressure controller and floating-type actuator to maintain the system static pressure.
See back page.

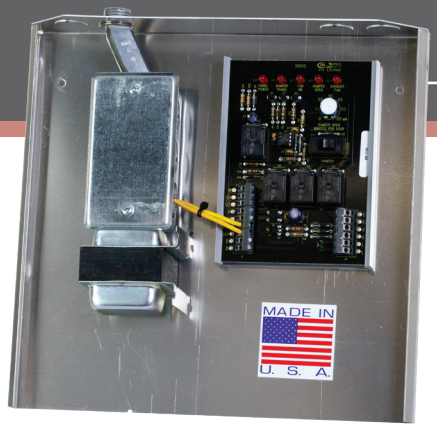
VENTILATION / OUTSIDE AIR CONTROL

VCS



SC-VCS
The ventilation control system is designed to introduce fresh air into a building through an intake damper controlled by a microprocessor logic panel. The SC-VCS has single adjustment setup, exhaust fan control option, outdoor temperature and/or humidity limit option and damper override capabilities. Meets ASHRAE 62.2 standard. Comes with a 20VA transformer.
Damper not included. Selection of damper based on CFM requirement.

VCS ENHANCED



SC-VCS-ENHANCED
The SC-VCS-ENHANCED has the same great features as the SC-VCS panel, however it is preassembled and wired with 20VA transformer and gang box for line voltage separation.
Damper not included. Selection of damper based on CFM requirement.

OAD



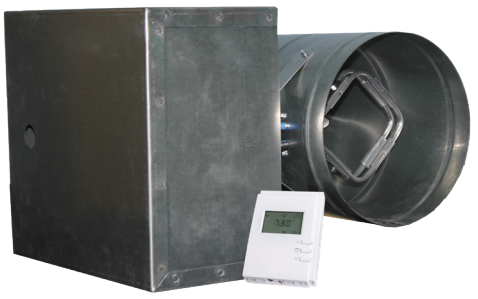
SC-OAD-XX (24V or 120V)
SC-OAD-P-XX (24V or 120V)
Outside Air Dampers are designed for new construction or retrofit applications requiring exhaust, fresh air intake, on-off and modulating control. Typical applications include bathrooms or restrooms in high rise buildings and outside air for small split systems. SC-OAD-P-XX includes a plate mounted to the damper which allows any direct coupled actuator to be utilized, including DDC controllers.



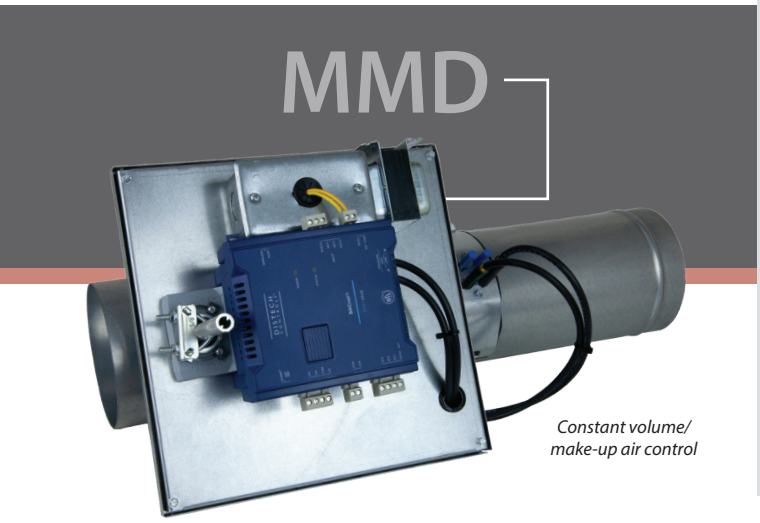
ASENSE-R, ASENSE-D
The ASENSE CO_2 sensors monitor the carbon dioxide levels in industrial, commercial, school, and office environments. Connecting these sensors to the override terminals on the SC-VCS activates the on-demand ventilation function to provide fresh air. Can also be used with SC-OAD dampers for two position or modulating direct demand ventilation. NEMA 4X and high ppm range options available.



SC-MUA
The Make Up Air Damper is designed to bring in outside air when exhaust fans exceed 400 CFM. The adjustable static pressure sensor allows the contractor to calibrate when the make-up air damper opens. Pressure safely equalizes within the building keeping harmful gases from entering the living space due to negative pressure caused by exhaust fans. Ideal for apartments/condos with large kitchen hoods.



SC-IFAD
The intelligent fresh air damper is designed for fresh air requirements in various building applications. Demand fresh air is controlled with either a single or dual CO_2 sensor configuration. The system includes a controller with integral airflow measuring for precise control, 24V transformer, along with various inlet size options. The SC-IFAD can be integrated into virtually any building automation system. Ideal for classrooms.



Constant volume/ make-up air control

SC-MMD

The SC-MMD is a ventilation/make-up air damper system specifically designed for use in commercial or multifamily buildings. Unlike other make-up air or constant volume damper systems, the SC-MMD has the ability to measure air flow and modulate to maintain the desired minimum and maximum CFM into the space. The most common application of the SC-MMD is in high-rise apartment/condo buildings; in this application, constant ventilation air is required to meet ASHRAE standards. However, when kitchen exhaust hoods or large bathroom exhausts within the apartment/condo are engaged an immediate increase in make-up air is necessary. The SC-MMD does this without the need for complicated and expensive balancing of constant volume regulator and spring return damper combination units. The SC-MMD system is self-balancing. Built with space constraints in mind, the SC-MMD is smaller and less complicated than other products, with the added benefit of BACnet communication. Connecting the SC-MMD into the BAS can have significant cost saving benefits.

SC-BAL-XX

The SC-BAL-XX damper is an electronic balancing damper which utilizes a 9V DC direct coupled actuator. This 9V motor provides direct proportional control of the damper position when using the hand held damper positioner (SC-BAL-A). Simply turn the indicator knob to the appropriate damper position and press the power button for 10 seconds. The damper will open or close to the exact position desired. The hand-held adjuster uses a standard 9V battery to power the damper to the correct position. Electronic balancing dampers are great for inaccessible areas of any building and can be used in any application that may require remote adjustment of balancing dampers. Only Specified Controls SC-BAL-XX dampers provide accurate and definitive damper positioning with our Patent Pending 9V motor and hand-held adjuster.

Round sizes available starting October 2019; Rectangular sizes available February 2020



SPECIFIED COMFORT

Building Automation System

The Specified Comfort™ System integrates HVAC equipment, lighting, fans, and metering to provide a powerful energy management solution. The lighting, thermostat, fan control and metering software share the Specified Comfort™ Energy Manager and operates as an integrated system. The Specified Comfort™ Energy Manager communicates with lighting controllers, motion sensors, thermostats, fans, meters and plugs using a secure wireless 2.4GHz communications network. This network is then controlled and monitored via the simple web-based interface.



SC-EMS-TM

The Specified Comfort™ Energy Manager is a rugged, commercial controller that is the heart of the innovative integrated energy management system. The Energy Manager coordinates all energy management functions utilizing the Specified Comfort™ wireless network.



SC-EMS-T32-P

The Specified Comfort™ SC-EMS-T32-P thermostat communicates with the Specified Comfort Energy Manager. This universal thermostat is used to control unitary equipment and as a night setback thermostat in zoning applications.



SC-EMS-Z20-T

The Specified Comfort™ SC-EMS-Z20-T thermostat is a zoning thermostat used with the SC-Z20 modulating zone control system to communicate with the SC-EMS-TM.



SC-EMS-DAS

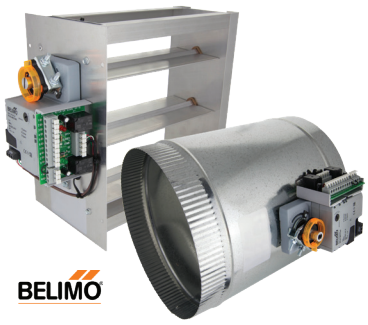
The SC-EMS-DAS is an 8" duct probe temperature sensor that is factory wired to a special Specified Comfort wireless transceiver to provide real-time temperature information via the Specified Comfort software. The thermistor offers a higher resistance than Platinum RTD's, creating a larger signal with the same measuring current.

Full listing of Specified Comfort™ accessories available at www.specifiedcontrols.com

DAMPER SELECTION GUIDE

Quick ship available on all dampers

Also available as BACnet



Compatible with SC- Z20 panel or as stand alone zone

ZD SERIES ZONE DAMPERS

- ***5 year warranty***

SC-ZD-XX

- 4″ to 22″

SC-ZD-XXXX

- 6″ x 6″ and larger
- Side mount and bottom mount

FP45-Motor
3-wire PC/PO, floating point (2.5VA)
90 Second Timing

Also available as BACnet



Compatible with all zone panels

SD SERIES ZONE DAMPERS

- ***3-wire***
- ***5 year warranty***

SC-SD-XX, SC-SD-XXXX

- 4″ to 22″
- 6″ x 6″ and larger
- Side mount and bottom mount

FP45-Motor
3-wire PC/PO, floating point (2.5VA)
90 Second Timing

Also available as BACnet



Compatible with all zone panels

ELECTRONIC BYPASS DAMPERS

- ***5 year warranty***

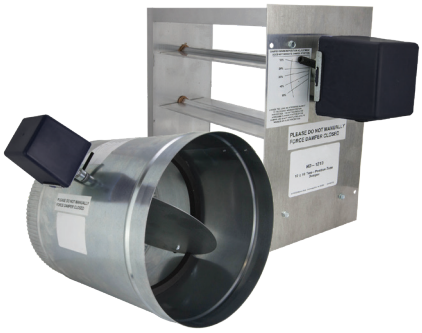
SC-EB-XX

- 4″ to 22″

SC-EB-XXXX

- 6″ x 6″ and larger

FP45-Motor
3-wire PC/PO, floating point (2.5VA)
90 Second Timing



Compatible with all standard zone panels

D/HD SERIES ZONE DAMPERS

- ***2-wire with spring return***
- ***5 year warranty***

SC-D-XX

- 4″ to 22″

SC-HD-XXXX

- 6″ x 6″ and larger
- Side mount and bottom mount

HD-Motor
(10VA)
30 Second Timing



Compatible with the Carrier® Infinity® and Bryant® Evolution® systems

CD ZONE DAMPERS

- ***3-wire***
- ***5 year warranty***

SC-CD-XX

- 4″ to 22″

SC-CD-XXXX

- 6″ x 6″ and larger
- Side mount and bottom mount

CD-Motor
3-wire PC/PO, floating point (2.5VA)
15 Second Timing



Compatible with all zone panels

MD SERIES ZONE DAMPERS

- ***3-wire***
- ***5 year warranty***

SC-MD-XX, SC-MD-XXXX

- 4″ to 22″
- 6″ x 6″ and larger
- Side mount and bottom mount

FP18-Motor
3-wire PC/PO, floating point (2.5VA)
60 Second Timing

Also available as BACnet

BN Series Diffusers



Compatible with SC-Z20 panel, BAS systems or as stand alone zone

VD SERIES DIFFUSERS

- ***3-wire***
- ***5 year warranty***

SC-VD-XX
SC-VD-XX-SD (Drone)

- 6″, 8″ for 12″ x 12″ face size
- 6″, 8″, 10″, 12″, 14″ for 24″ x 24″ face size

FP45-Motor
3-wire PC/PO, floating point (2.5VA)
90 Second Timing

REPRESENTED BY:

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