



zone control



commercial products

# ZONE ONE™

*Stand-Alone Zone Damper*



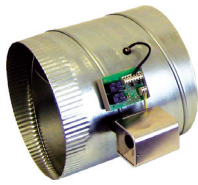
Zone Control Made Simple



**Jackson**  
SYSTEMS



# Zone<sup>TM</sup> ONE



Two-Position Zone One<sup>TM</sup>



Modulating Zone One<sup>TM</sup>



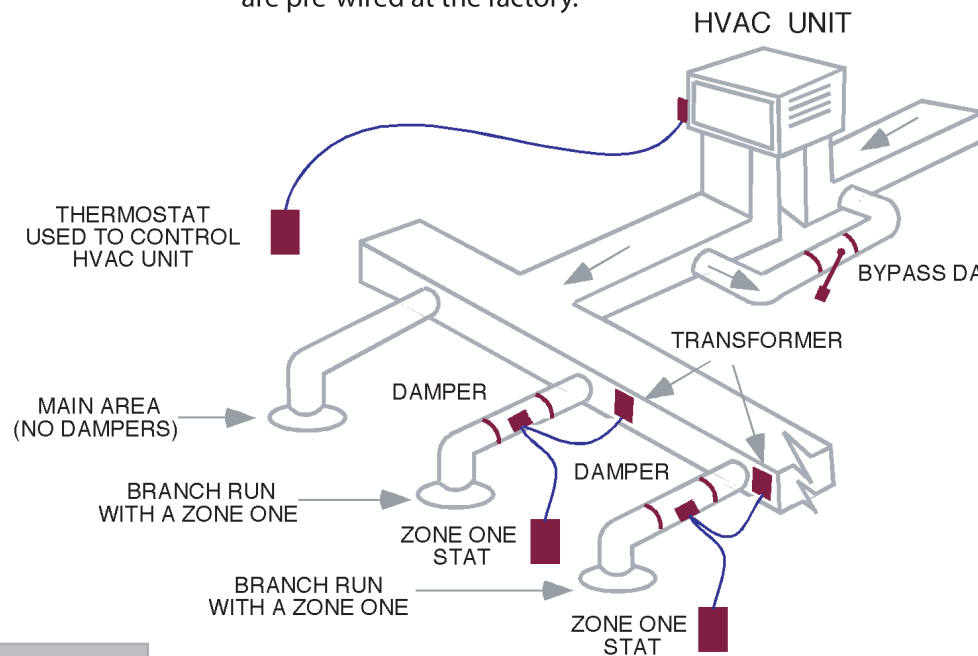
Modulating Zone One<sup>TM</sup> Diffuser

## Features

- Available in two-position or modulating
- Available in round or rectangular
- Available as a diffuser
- Auto changeover
- Minimum position adjustment
- LED status indication
- Controls are pre-wired from factory
- No control panel required
- Most orders shipped the same day
- 5 year warranty
- Factory-direct to the contractor

## High Quality, Simple and Low Cost

Zone One<sup>TM</sup> is a control damper assembly designed to solve over-heating and over-cooling problems. It can be used to control a single room, or by using a number of dampers, zone multiple rooms. The duct sensor, auto changeover control module and actuator are pre-wired at the factory.



## How Zone One<sup>TM</sup> Works

The automatic changeover duct sensor (located on the Zone One<sup>TM</sup> damper) senses whether there is warm air or cool air in the branch supply duct. If the Zone One<sup>TM</sup> thermostat is calling for cooling and the duct sensor determines there is cool air in the duct, the damper will open; otherwise, the damper will remain closed. If the Zone One<sup>TM</sup> thermostat is calling for heat and the duct sensor determines there is warm air in the duct, the damper will open; otherwise, the damper will remain closed.

**Strong Design and Technical Support.  
5 Year Warranty.**

### Two-Position Zone One™ Material List

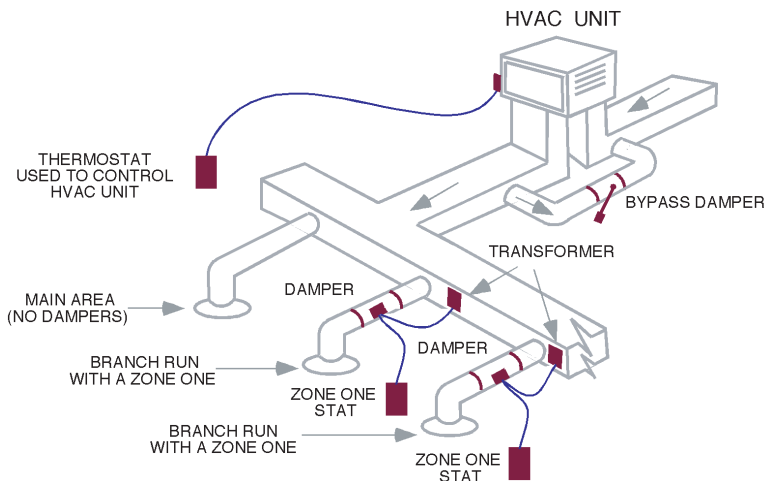
(some items may be optional)

Round Damper	D-Z1-XX
Rectangular Damper	D-Z1-XXXX
Zone One™ Mechanical Thermostat	T-100-M
Zone One™ Digital Thermostat	T-100-D
Round Barometric Bypass Damper	BD-XX
Suction Line Freeze Stat	FS-38
Transformer	TR-40

### Modulating Zone One™ Material List

(some items may be optional)

Round Damper (thermostat included)	ZD-XX
Rectangular Damper (thermostat included)	ZD-XXXX
Diffuser (thermostat included)	VD-XX
Round Barometric Bypass Damper	BD-XX
Round Electronic Bypass Damper	EB-XX
Suction Line Freeze Stat	FS-38
Transformer	TR-40



### Application and Installation Notes

**DO NOT INSTALL A ZONE ONE™ THERMOSTAT AND DAMPER IN THE AREA WHERE THE EQUIPMENT SPACE THERMOSTAT IS LOCATED.**

If you are using Zone One™ dampers to zone more than 30% of the area served by the HVAC unit, a bypass damper may be required to maintain a constant system static pressure.





The HVAC unit should be controlled by its own space thermostat or discharge air controller. When a space thermostat is used to control the HVAC unit, it is important that at least 30% of the system load be controlled by this thermostat located in the undampened area.

A suction line freeze stat (FS-38) should be installed to protect the equipment in the event the suction line temperature drops too low (wire in series with cooling control circuit).

Two-Position Zone One™ dampers are designed to work with systems up to 1" of static pressure. Modulating Zone One™ dampers are designed to work with systems up to 4" of static pressure. The static pressure of the Zone One™ diffuser should not exceed 0.4".

The air system must be properly balanced before running the HVAC equipment.



zone control   thermostats  
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# Jackson n SYSTEMS

The Zone Control Experts

Jackson Systems, LLC  
5418 Elmwood Avenue  
Indianapolis, IN 46203-6025

P: 317.788.6800 | F: 317.227.1034 | Toll Free: 888.652.9663

[www.jacksonsystems.com](http://www.jacksonsystems.com)