

# BZD Series

## Barometric Relief Zone Damper

BZD-XX  
BZD-XXXX

The Barometric Relief Zone Damper works like any standard zone damper with one exception – it has a built-in static pressure relief mechanism that eliminates the need for a bypass damper. Unlike a standard zone damper, the BZD has been designed with both a fixed and a barometric hinged blade that are controlled by an actuator.

### AS SIMPLE AS 1, 2, 3

- 1.) When all zones are calling, all zone dampers will be open.
- 2.) As zones begin to satisfy, their dampers go closed and the system static pressure will start to rise. This will send a small amount of additional air into the zones that are still calling.
- 3.) Only when the supply static pressure reaches approximately 0.3"WC will the barometric half of the damper begin to modulate open. This will send a small amount of air to the zone(s) that are not calling.



### Features and Benefits:

- Eliminates the need for a bypass damper
- No adjustments needed
- Cuts system costs
- Requires less space and labor
- Increases system efficiency
- Compatible with most zone control panels
- Round and rectangular
- Can be converted to a standard zone damper

**Warranty:** 5 years

### Specifications:

Construction	24-gauge steel spiral shell, aluminum shaft, nylon bushings, blade seals
Sizes	Round: 6" to 16" Rectangular: 8" x 8" to 24" x 14" side-mount and bottom-mount
Damper Actuator Type	PO/PC Belimo motor, 24VAC, 2.5VA, 18in-lb
Damper Position Indicator	Green LED indicates when the damper is open Red LED indicates when the damper is closed