

# BZD-XXXX RECTANGULAR SIDE MOUNT BAROMETRIC ZONE DAMPER WITH AUTOMATIC PRESSURE RELIEF

PATENT PENDING

## INSTALLATION INSTRUCTIONS

### INTRODUCTION

The BZD Barometric Zone Damper™ operates like any standard zone control damper but also has a built-in static pressure relief mechanism that eliminates the need for a bypass damper. If the static pressure reaches the factory preset setting, any damper that is in the closed position will start to modulate open and bleed a small amount of air into the non-calling zone. This prevents the system static pressure from rising to an unacceptable level.

### INSTALLATION

1. The damper can be mounted in either a horizontal air or vertical up-flow position.
2. The airflow must be in the direction of the arrow found on the damper shell. When the damper is mounted in the horizontal air flow position, the damper counter-weights must always be located on the bottom as illustrated below.
3. Each damper comes from the factory with the correct number of counter-weights attached to the barometric blade for horizontal air flow installation. **If the damper is mounted in a vertical up-flow position, make sure the proper number of weights are removed from the blade as shown on the included Damper Weight Chart.**
4. The damper actuator is Power Open/Power Close. The motor is rated at 24Vac, 2.5VA. Terminal designations are as follows::

- |   |             |
|---|-------------|
| 1 | Common      |
| 2 | Power Close |
| 3 | Power Open  |

