



Comfort System™ "D" Series Rectangular Zone Damper

The "D" series dampers are extruded aluminum parallel blade dampers complete with a 24 Volt, spring return actuator. These dampers are shipped complete and ready for installation. The "D" series damper can be installed in any position in any properly sized duct. They are rated for duct systems less than 1.0" W.C.

Dampers are available in even sizes from 8" x 8" to 36" x 24". All dampers are 1/8" undersized from their listed size. Dampers are ordered as D-wwhh for side-mount dampers, where ww is the 2-digit width and hh is the 2-digit height. The motor is on the short side (or the height dimension). Dampers are ordered as D-wwhh-BM for bottom mount dampers. The motor is on the long side (or the width dimension).

"D" series dampers are typically shipped as normally open dampers that are powered closed and spring return open. To order a normally closed damper that is powered open and spring return closed, specify the suffix "PO". Examples are D-1208-PO and D-2012-BM-PO.

The "D" series dampers are powered by a 24 Volt AC, 50/60 Hz, spring return damper motor. The motor powers the damper closed and spring returns the damper open for fail-safe operation. Providing power to the motor drives the damper closed. Removing power from the motor allows it to spring back to the open position.

The 24 Volt, synchronous motor has been tested over 250,000 cycles to provide long life. To replace the motor simply loosen the setscrew holding the motor to the damper.

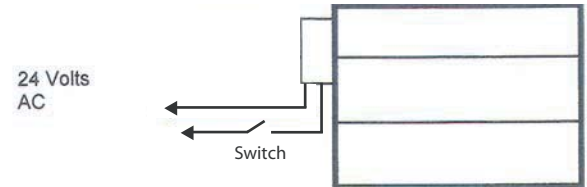
The "D" series damper has a simple adjustment for setting the minimum position. Minimum position allows for bypass air. To set minimum position, loosen the setscrew, align the setscrew to the minimum position label and re-tighten.



Minimum Position Adjustment

Comfort™ SYSTEM

Wiring Diagram



Damper Specifications

Construction: Aluminum Mill Finish, Mitre Angles

Linkage: Zinc Plated Linkage Arms, Delran Bushings

Dimensions: 8" x 8" to 36" x 24" in 2" increments, 1/8" undersized

Motor Voltage: 24 Volts AC, 50/60 Hz, 6.5 Watts, 7VA

Torque: 35 in-oz to 55 in-oz

Temperature Rating: 0°F to 160°F Operating

Humidity: 5% to 95% Non-Condensing

Timing: 30 Sec. Powered, 8 Sec. Spring Return

Connection: 4" Wire Leads (2)

Static Pressure: Maximum 1.0" W.C.



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