

ULTRA-ZONE®

Forced Air Zone Controls

SUBMITTAL SHEET

Model SID-HD Retro-Fit Volume Control Hand Damper

The SID-HD Series of round Hand Dampers are designed for field adjustment of Differential Pressure and Velocity Control on Round Bypass Air Duct Runs. It may also be used on any existing round duct that needs a good quality retro-fit hand damper

Pursuant to ACCA® Manual Zr, "A balancing hand damper should be installed in the bypass duct" for setting adequate resistance to bypass flow.

The SID-HD includes a Heavy Duty Manual Quadrant allowing Easy & Accurate Field Adjustment of the Pressure Drop through the Bypass duct run.

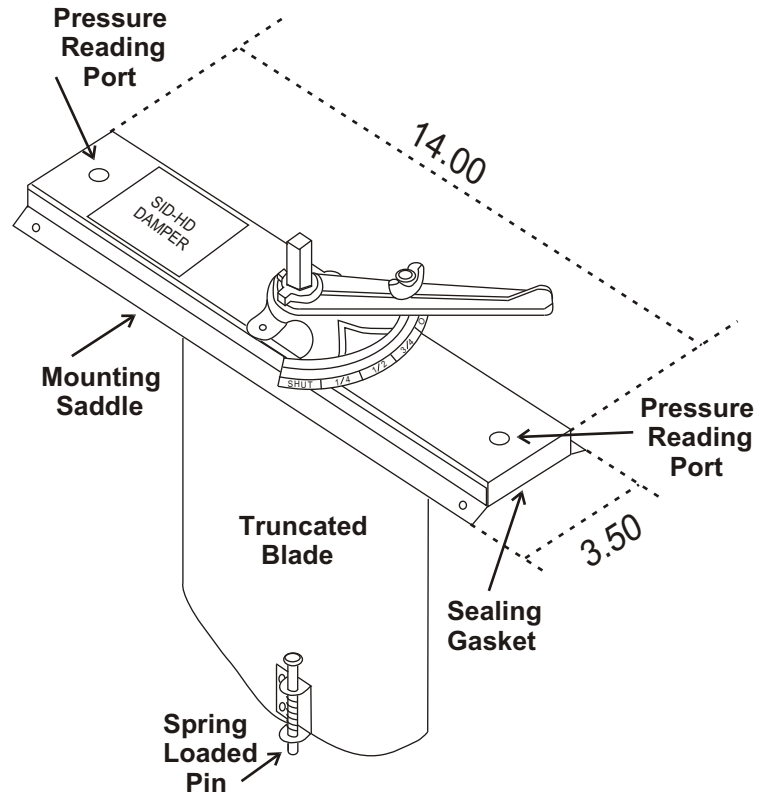
The SID-HD also has a spring loaded tensioning pin on the blade. When the blade is inserted into the duct, the pin presses against the opposite side of the duct wall, providing stability and support for the blade.

In addition, the SID-HD has a truncated blade design resulting in 70% maximum closure. This superior design ensures minimum bypass flow even if the hand damper is accidentally closed all the way.

Two port holes are provided on the saddle allowing easy pitot tube insertion for taking pressure readings.

The SID-HD is designed to provide reliable and quiet Balancing Function at velocities up to 1800fpm.

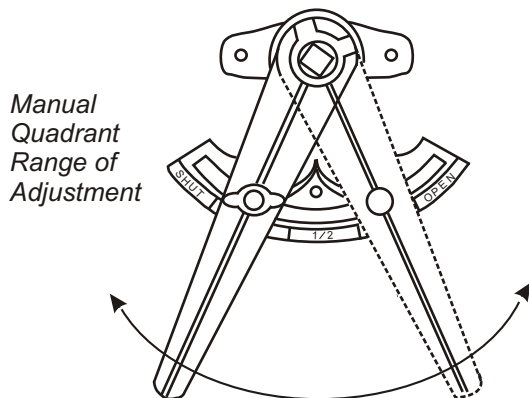
SID-HD dampers are easy to install and adjust. The superior design insures long life with no



SID-HD INSTALLATION INSTRUCTIONS

1. Determine the installation location on the desired round pipe.
2. Apply the Template to the desired location.
3. Drill a pilot hole in the center of the template.
4. Cut along the template to the size of the round duct you are mounting to.
5. If necessary, adjust the damper blade until it is parallel with the mounting saddle.
6. Slip the damper blade into the slot in the round duct. Position the saddle level and parallel with the duct.
7. Secure the saddle to the duct with the sheet metal screws provided.
8. Position Manual Quadrant to the desired position.

See Application
Note #090376A0169C
for setup instructions



NOMINAL PERFORMANCE VALUES

MODEL #	CFM @ 900 FPM	Press. Drop IWC
SID-HD - 6	175	0.02
SID-HD - 8	310	0.02
SID-HD - 10	480	0.02
SID-HD - 12	700	0.02

Pressure Drop values may increase at higher velocities

SUBMITTAL FORM

SUBMITTED BY: _____
 JOB: _____
 ARCHITECT: _____
 ENGINEER: _____
 CONTRACTOR: _____
 LOCATION: _____

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