

# ULTRA-ZONE®

## Forced Air Zone Controls

The **RD-HD** Series of round Hand Dampers are designed for field adjustment of Differential Pressure and Velocity Control on Round Bypass Air Duct Runs.

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

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

In addition, the RD-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.

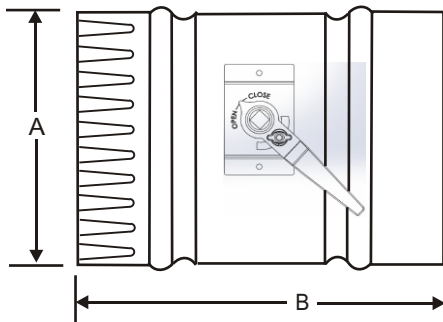
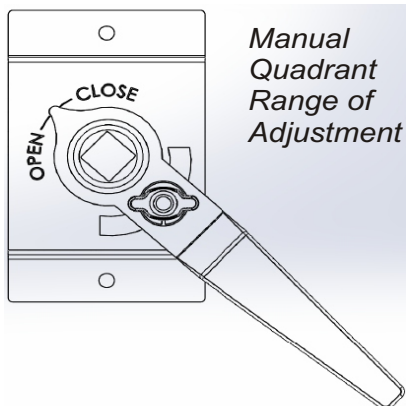
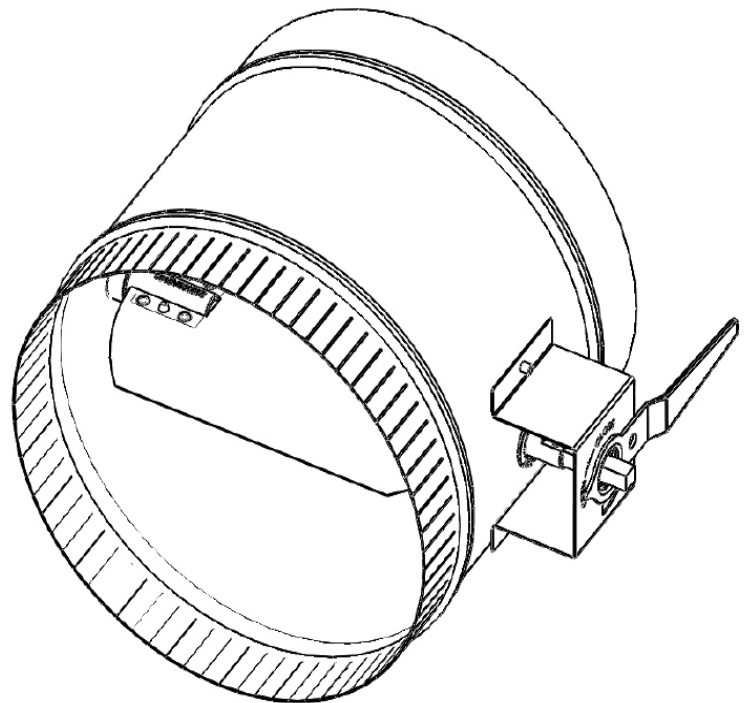
The RD-HD is designed to provide reliable and quiet Balancing Function at velocities up to 2700 feet per minute.

RD-HD dampers are easy to install and adjust. The superior design insures long life with no maintenance and a 5 year warranty.

See Application Note #090376A0169 for installation and setup instructions.

## SUBMITTAL SHEET

### Model **RD-HD** Round Volume Control Bypass Hand Damper



#### NOMINAL DIMENSIONS & PERFORMANCE VALUES

| MODEL #    | A      | B      | CFM @ 900 FPM | Press. Drop <sub>IWC</sub> |
|------------|--------|--------|---------------|----------------------------|
| RD-HD - 8  | 8.00"  | 6.00"  | 310           | 0.02                       |
| RD-HD - 10 | 10.00" | 6.00"  | 480           | 0.02                       |
| RD-HD - 12 | 12.00" | 8.00"  | 700           | 0.02                       |
| RD-HD - 14 | 14.00" | 8.00"  | 940           | 0.02                       |
| RD-HD - 16 | 16.00" | 10.00" | 1250          | 0.02                       |
| RD-HD - 18 | 18.00" | 10.00" | 1560          | 0.02                       |
| RD-HD - 20 | 20.00" | 10.00" | 1900          | 0.02                       |

Pressure Drop values may increase at higher velocities

#### SUBMITTAL FORM

SUBMITTED BY: \_\_\_\_\_

JOB: \_\_\_\_\_

ARCHITECT: \_\_\_\_\_

ENGINEER: \_\_\_\_\_

CONTRACTOR: \_\_\_\_\_

LOCATION: \_\_\_\_\_

Excellence Without Compromise

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