

# ULTRA-ZONE™

Forced Air Zone Controls

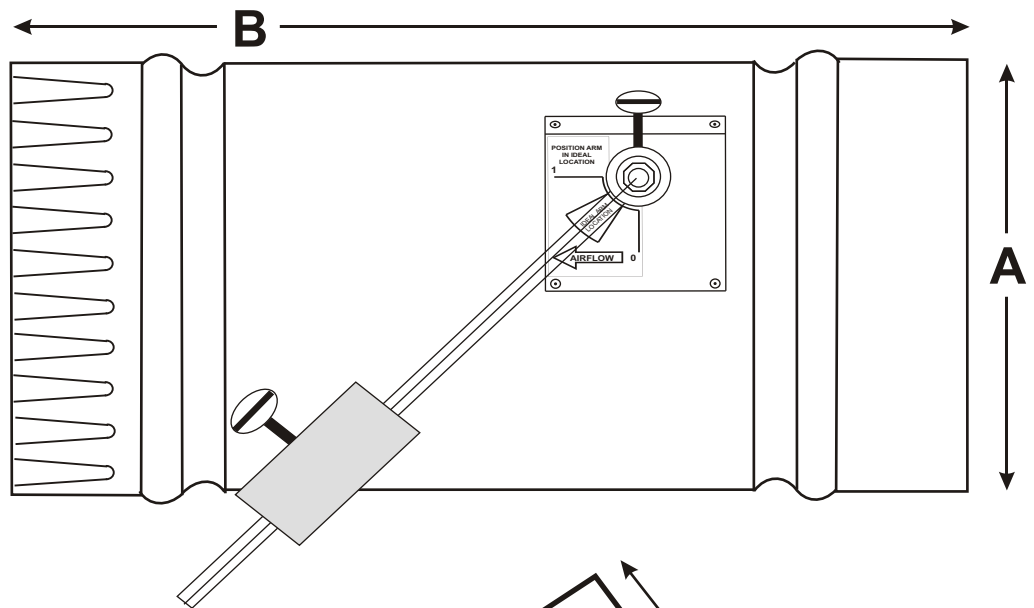
## SUBMITTAL SHEET

### Model PRD - RD Barometric Bypass Damper

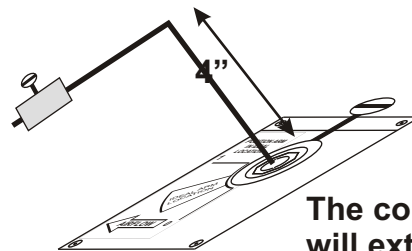
The model PRD-RD pressure regulating dampers are a single blade round barometric damper assembly constructed from 24 gauge galvanized steel, with a counter balanced weighted arm. The barometric bypass damper is an economical way to manage airflow and relieve excess air volume and air pressure. Damper blade adjustment is achieved by off-setting the 1/4" hex shaped arm, securing weight #1 towards the bottom of that arm and moving the extra weight(s) (optional) up or down the arm, until the desired operation is achieved. For field versatility, the hex shaped arm can be inserted into either side of the damper. Additional weights can be added if necessary. The blade shafts are 5/8" round Thermotuff™ plastic on all diameters. See *Technical Bulletin 090375A0224 Rev. M* for setup instructions.

The barometric bypass damper is installed in the duct-work on horizontal duct runs and should be mounted level. The PRD-RD damper can relieve pressure by returning the air back to the return air duct or by directing it into a non-critical conditioned area. A restricting hand damper can be installed downstream of the by-pass damper, which allows the installer to set sufficient differential pressure across the bypass relief duct. See *Application Note 090376A0169D*.

The PRD-RD bypass damper is an effective By-Pass solution for any Constant Speed or Variable Speed Zoned HVAC system up to 4 ton capacity.



MODEL #	SIZE	"A" Dimension	"B" Dimension
PRD-RD 8	8"	8"	12"
PRD-RD 10	10"	10"	12"
PRD-RD 12	12"	12"	14"
PRD-RD 14	14"	14"	16"
PRD-RD 16	16"	16"	20"



**The counter weight arm will extend 4" from the bearing support plate**

#### SUBMITTAL FORM

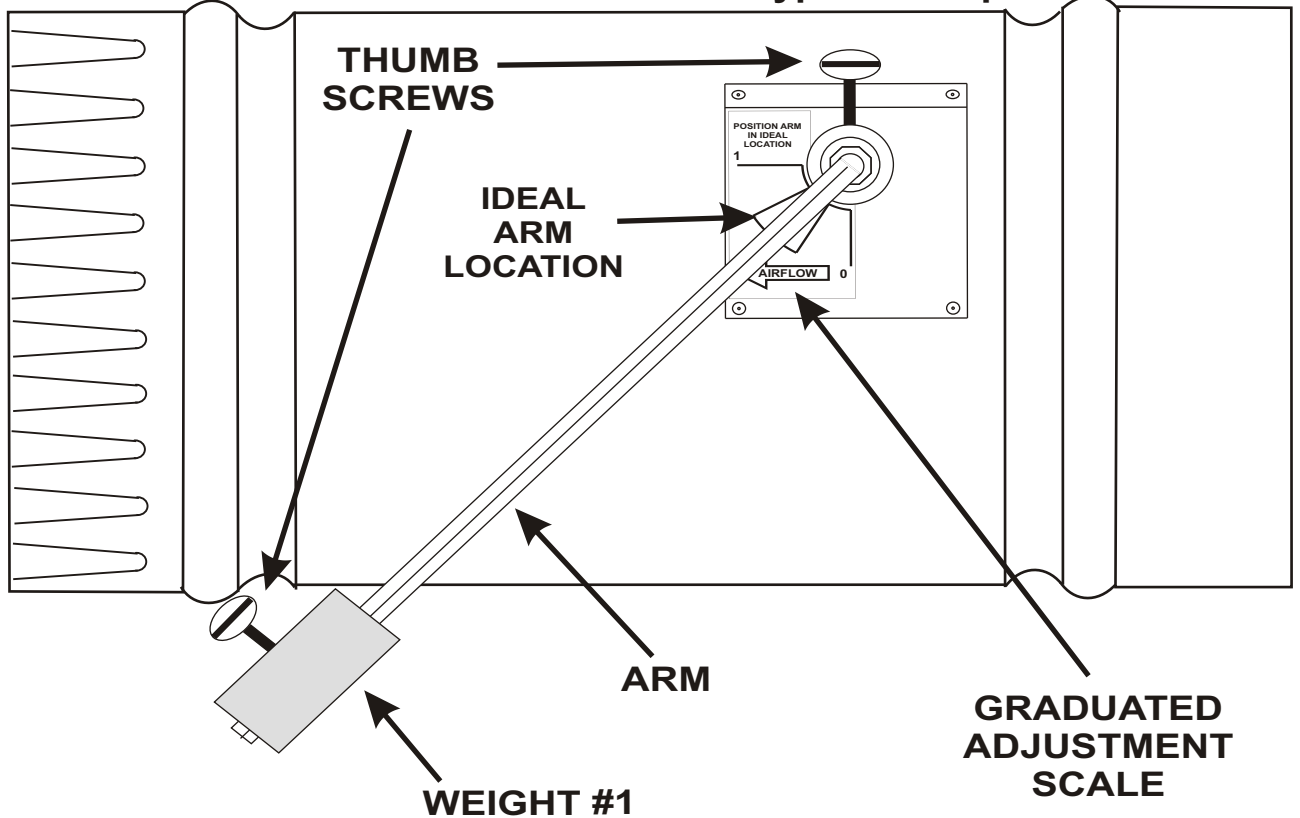
SUBMITTED BY: \_\_\_\_\_  
 JOB: \_\_\_\_\_  
 ARCHITECT: \_\_\_\_\_  
 ENGINEER: \_\_\_\_\_  
 CONTRACTOR: \_\_\_\_\_  
 LOCATION: \_\_\_\_\_

Excellence Without Compromise



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Model PRD - RD Round Bypass Damper



MODEL #	SIZE	# WEIGHTS	BYPASS Cfm*	BYPASS Cfm*
PRD-RD 8	8"	1	320 Cfm	500 Cfm
PRD-RD 10	10"	1	500 Cfm	750 Cfm
PRD-RD 12	12"	1	720 Cfm	1100 Cfm
PRD-RD 14	14"	2	950 Cfm	1400 Cfm
PRD-RD 16	16"	2	1250 Cfm	1900 Cfm

\* CFM @ 900Fpm  
(.15"wc friction loss)

\* CFM @ 1400Fpm  
(.3"wc friction loss)

### SUBMITTAL FORM

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

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

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

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

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

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