



CEILING RADIATION DAMPER
FOR WOOD TRUSS CEILING ASSEMBLIES
ETL CLASSIFIED UL263/E119
INCORPORATES ETL CLASSIFIED UL555C DAMPER
INSULATED REGISTER BOX • 45° INLET
MODEL: 507RD



QUALIFICATIONS:

ETL CLASSIFIED UL263/E119 CEILING DAMPER

Approved for use in 1 hour fire rated floor/ceiling and roof/ceiling assembly constructed in accordance with material and construction specifications of UL design number: L521, L528, L546, L550, L558, L562, L563, L570, L574, L579, L585, L586, M503, P522, P531, P533, P538, P545, P547, P548, and P552.

Incorporates ETL Classified UL555C evaluated ceiling damper.

Meets NFPA 90A requirements.

DESCRIPTION:

Ceiling dampers are designed to function as a heat barrier in air handling openings penetrating fire resistive membrane ceilings. The model series 507RD has been especially designed to provide protection and simple installation in specific design wood truss ceiling assemblies.

The 507RD assembly consists of a ceiling damper mounted in the round inlet collar of an internally insulated sheet metal register box (boot), that accommodates a steel grille or register.

CONSTRUCTION:

1. Listed fusible link, 212°F (100°C) standard.
2. Blades: 21 GA G60 roll-formed galvanized steel.
3. Blade Insulation: Non-asbestos classified.
4. Damper frame: 21 GA G60 galvanized steel.
5. Internal insulation: 1 1/2" (38) thick. R-Value 6.3.
6. Steel plenum: 24 GA max. with round connection collar.
7. Classified Class 0 or I flexible air duct connection by others.
8. Plaster flange: 1" wide x 1/2" deep.
9. Steel grille / register (by others). Minimum depth for grille clearance is 2 1/2".

*Maximum Area Size: 144 square inches.
 (No one dimension greater than 14")

Collar size: 4"-10"

Minimum size: 6 x 6

Maximum size: Square: 12 x 12

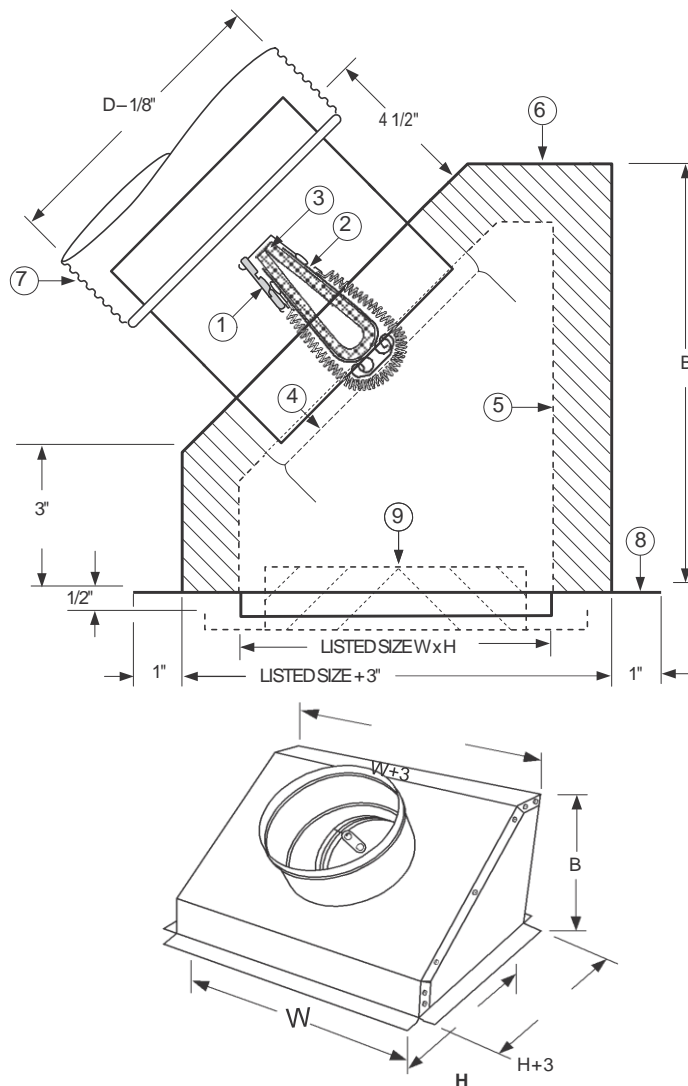
Maximum size: Rectangular: 14 x 10

OPTIONS:

- Non-standard temp. listed fusible link. 165°F (74°C).
- Installation Support angles. 26" long.
 - * 2 @ Standard boot rail (2 sides).
 - * 2 @ 1-1/2" x 1-1/2" x 22 GA angle (2 sides).
- Plaster flange available in 1" wide by 1" deep.
- Available in R4, R6 & R8 insulation.

NOTE:

Building code and classification require damper installation in accordance with manufacturer's instructions.



Dimensional Data: (Drywall Lip not Included)		B
Common Available Sizes	APPX	
W + H	Nom. Duct Size D	
8 x 4	4", 5"	8 1/2
10 x 4	4", 5", 6"	8 1/2
12 x 4	6", 7", 8",	8 1/2
14 x 4	7"	8 1/2
8 x 6	6"	8 1/2
10 x 6	5", 6", 7",	8 1/2
12 x 6	6", 7"	8 1/2
14 x 6	6", 7", 8"	8 1/2
All others	Comfirm Size	11"

W x H = Nominal Grille / Register Size.

Dimensions are in inches.

Contact Manufacturer for additional dimensions not listed.

MODEL 507RD