

## Ceiling Radiation Damper ▲ Four Insulated Blades ▲ Rectangular Frame ▲ For Static Systems ▲ Galvanized Steel

### STANDARD MATERIALS AND CONSTRUCTION

- FRAME:** 22-GA galvanized steel, one piece, 2<sup>1</sup>/<sub>2</sub>" standard depth.
- BLADES:** 22-GA galvanized steel.
- INSULATION:** ½" thick gypsum.
- FUSIBLE LINK:** 165°F.
- SPRING:** Extension type.
- FINISH:** Mill.

### OPTIONS

- 212°F Fusible Link
- Thermal Blanket
- Top Extension (see chart below)
- Bottom Extension (see chart below)
- Top and Bottom Extension (see chart below)

### NOTES

1. The larger dimension is always the width, and is parallel to the blades.
2. Dampers are provided ¼" undercut on 1" increments.
  - Standard ¼" undercut:
    - A. For installation where the damper is to be installed inside a steel duct.
    - B. For lay-in installation where the damper is to be installed directly into the tee bar grid of the ceiling.
  - Optional Exact Size (No undercut):
    - For surface mount ductless installation, where the damper is to be installed over the neck of a grille or lay-in diffuser.
3. This ceiling damper is used to provide the required fire and heat radiation protection of HVAC penetrations of floor, ceiling and roof-ceiling assemblies with restrained or unrestrained assembly Fire Resistance Ratings of 2 hour or less, in accordance with UL-263. Standard fire dampers (1½ hr. and 3 hr.) do not provide the necessary heat radiation protection. Ceiling dampers are also called Ceiling Fire Dampers, Radiation Dampers, and Radiation Shields. See our UL-Approved Installation Instructions for various installation requirements and procedures. Approved ceiling designs are illustrated by design number in UL's Fire Resistance Directory.

### DAMPER SIZES

Horizontal (Ceiling) Mount Only	
Min Panel	Max Panel
3¾"W x 18¾"H	24"W x 24"H (576 sq.in.)

### FRAME EXTENSION CHART

Min Panel	Heights: 18¾" - 20"	Heights: 20¾" - 24"
Top Extensions	9¼"	9¼"
Bottom Extensions	6⅛"	6⅛"
Top & Bottom Extensions	9¼"	10¾"

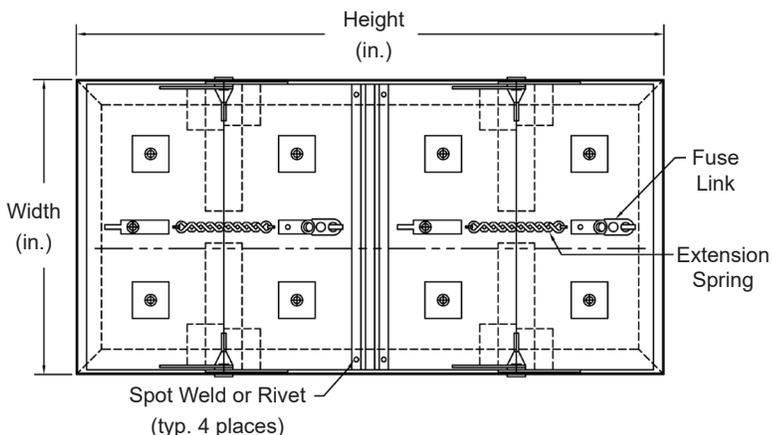
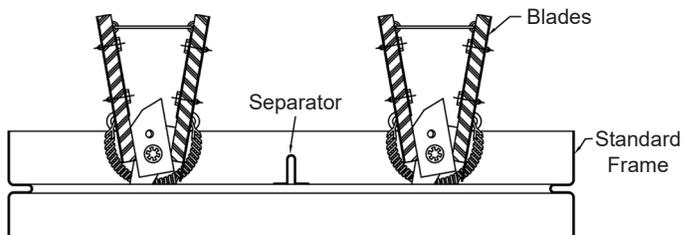
**UNDERWRITERS LABORATORIES INC.®**  
 CLASSIFIED STATIC CEILING DAMPER  
 FIRE RESISTANCE RATING 2 HR

FILE # R11235

Dampers ▲ Louvers  
UL Life Safety Products

This ceiling radiation damper meets the construction and performance requirements of:

- Underwriters Laboratories Inc. Standards 555C
- National Fire Protection Association Standards 90A and 101
- New York City MEA Listing #110-99-M
- California State Fire Marshal Listing #3226-1328:105
- 1 hour Combustible Ceiling Assemblies
- 1 hour and 2 hour Non-Combustible Ceiling Assemblies



Item #	Qty	Damper Size	Top	Bottom	165°F	212°F				Union Made
			Extensions		Fusible Link					
<b>Arch. / Eng.:</b>					<b>EDR:</b>	<b>ECN:</b>	<b>Job:</b>			
<b>Contractor:</b>										
<b>Project:</b>					<b>Date:</b>	<b>DWN:</b>	<b>DWG:</b>			