



(ENGINEERS)
SUBMITTAL DATA
Ceiling Radiation Damper
2 Hour Rated
For Use in Static Systems

Application and Design

The Model CRD-2HS2 provides fire and heat radiation protection of HVAC penetrations in floor/ceiling and roof/ceiling assemblies with restrained or unrestrained ratings of 2 hours or less. Standard fire dampers (1 1/2 & 3 hr.) do not provide the required protection as a ceiling radiation damper.

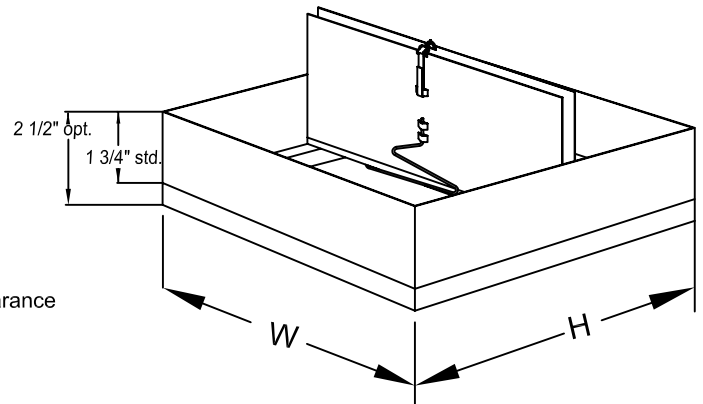
Model CRD-2HS2 meets or complies with the following as a ceiling radiation damper.

Standard Construction

- Frame: 21 GA Galvanized Steel
- Blades - Full Length Hinge: 21 GA Galvanized Steel
- Closure Springs: Stainless Steel
- Fusible Link - UL-33: UL Listed 212°F (standard) 165°F (optional)
- Insulation (blade): None required

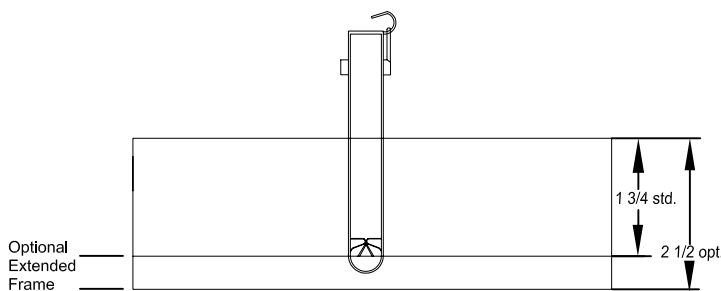
- NFPA Standards
- All major building codes, including BOCA, ICBO/UBC, SBCCI & ICC International Code
- UL 555C Listing 2 Hour - File #R25411
- Options
 - Optional Volume Control Device (VCD)

| Standard Sizes (duct) | |
|-----------------------|-----------------------------------|
| Minimum | 4-1/2" X 4-1/2" |
| Maximum | 20" W or 22" L- 113 sq. in. total |



Notes:

- Dampers are fabricated 3/16" under ordered dimension for clearance
- Not for use in wood construction



| | | | |
|-------------|--|---------------------|-------------------------|
| Job Name: | <input type="checkbox"/> MODEL CRD-2HS2 | | |
| Location: | | | |
| Architect: | | | |
| Engineer: | DRAWN BY: RDF | DATE: 9-8-06 | REV. DATE: |
| Contractor: | REV. NO. | APPROVED BY: BGT | DWG. NO.: D-5 |