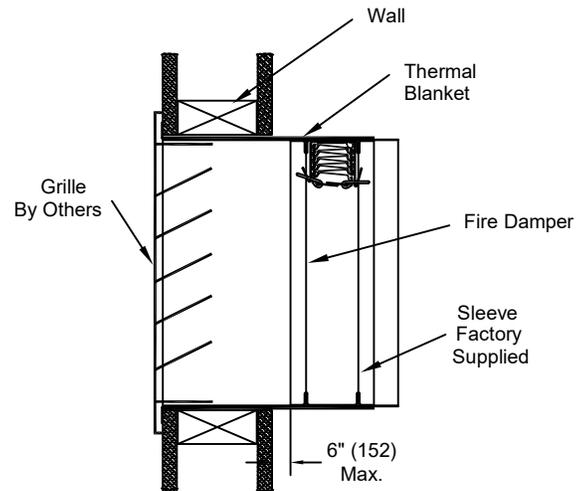


## APPLICATION

Model FD/FDD-AOW "Out of Wall" or "Out of Floor" Dynamic Fire Dampers are designed to be installed with the Frame and blades up to 6" (152) out of the wall or floor and is supplied with a factory insulated sleeve. The FD/FDD-AOW can be mounted with angle one side wall or top side of the floor. The FD/FDD-AOW is great for when retrofitting and the damper can not be installed with the blades within the wall/floor. Also used with louvers or grilles that the depth of the louver will not allow the damper to be within the plane of the wall. FD/FDD-AOW curtain fire damper are 1 ½ hour UL classified. Fire dampers are used for the protection of openings in walls, partitions, or masonry floors with fire resistance ratings of less than 3 hours for 1 ½ hour protective rating.



## Standard Construction

**Frame:** Roll-formed galvanized steel in gauges required by UL listing R-25410.

**Blades:** Roll-formed galvanized steel in gauges required by UL listing R-25410.

**Closure Springs:** 301 stainless steel When Required

**Fuse Link:** 165° F (74°C) is standard. 212° F (100°C) available option.

**Sleeve:** Galvanized steel wrapped in thermal blanket

## SIZE

### FDD-AOW

**Minimum:** 6" (152) wide x 6" (152) high

**Maximum:**

Single Section Vertical

Vertical - 36" (914) wide x 36" (914) high.

Horizontal - 24" (610) wide x 24" (610) high.

Multiple Sections Assembly

Vertical - 42" (1067) wide x 36" (914) high.

Horizontal - 36" (914) wide x 36" (914) high.

### FDD-AOW

**Minimum:** 6" (152) wide x 6" (152) high

**Maximum:**

Single Section - Vertical or Horizontal

42" (1067) wide x 48" (1219) high.

## OPTIONS

**Sleeves** - of various lengths and gauges



**Ratings - EMME R25410**

**UL 555 Fire Resistance Rating**

**Fire Rating:** 1 ½ Hour (Less than 3 hours wall rating)  
 3 Hour (3 hours and More rating)

**National Fire Protection Association**

NFPA Standards 80, 90A, 92A, 101 and 5000

**ICC International Building Codes**

**CSFM California State Fire Marshal**

Listing 3225-1722:0100

**Canada ULC-S112 Fire Damper**

### Notes:

1. Refer to the installation instructions for additional details.
2. Damper are furnished approx. ¼" (6) undersized, unless otherwise noted.
3. Dimensions shown in parentheses ( ) indicate millimeters.

**United  
Enertech**

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 Chattanooga, Tennessee 37407  
 Tel: (423) 689-7715  
 www.unitedenertech.com

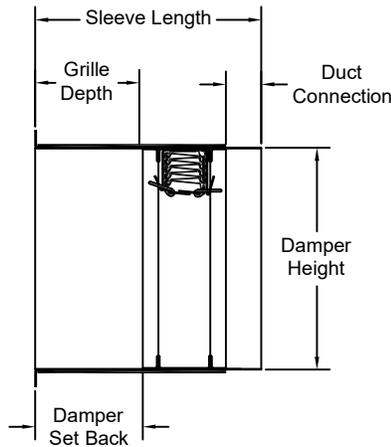
**FD/FDD-AOW Curtain Fire Dampers for Out of Wall/Floor Installior**

DRAWN BY: KSM	DATE: March, 2025	REV. DATE:	REV. NO.	DWG. NO. <b>PD-019</b>
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## FD/FDD-OW For Grille Mounting Detail and Orientation

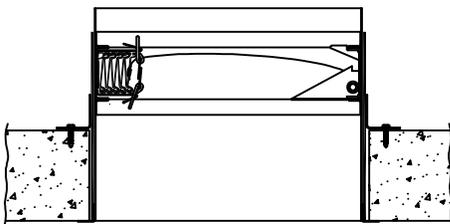
FD/FDD-AOW Sleeve Length/Grille Depth/Set Back			
Grille Depth	Min. Sleeve Length with Duct Connection	Damper Set Back	Min. Sleeve Length w/o Duct Connection
1 1/4" (32)	6 1/2" (165)	1 3/8" (32)	5" (127)
2 7/8" (73)	8" (203)	2 3/4" (70)	6 1/2" (165)
3 1/8" (79)	10" (254)	4 3/4" (121)	8 1/2" (241)
5 1/8" (129)	12" (305)*	6 1/4" (159)	10 1/2" (267)
6 1/8" (156)	14" (305)	8 1/4" (159)	12 1/2" (318)

\* Note: 12" (305) long sleeve with 6" (152) Grille Depth is the standard.

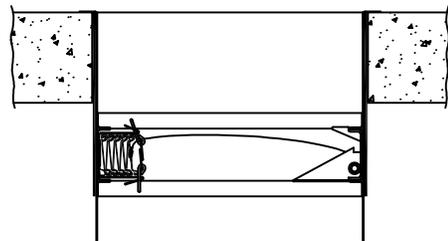


**Vertical Installation (VM)**

### FD/FDD-OW Horizontal Orientation



**Horizontal Installation  
Above Floor (AF)**



**Horizontal Installation  
Below Floor (BF)**