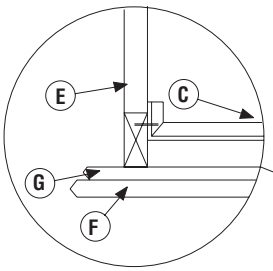
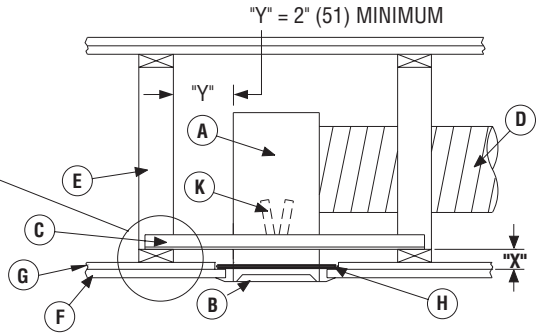
INSTALLATION INSTRUCTIONS
CEILING RADIATION DAMPER
FOR USE IN WOOD TRUSS ASSEMBLIES
UL DESIGN NUMBERS L528, L546, L550, L558, L562, L574, L576, L579, L581, L583, L585, M501, M503, P531, P533, P538, P545, P547, P552
MODELS: 0756, 0756D

Refer to the UL Classification Marking on the Product

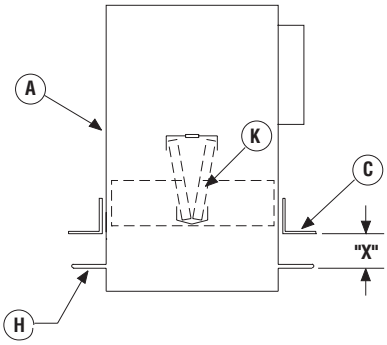
- (A) Steel Plenum, minimum 26 ga. (0.55)
- (B) Steel frame Grille/Diffuser, 26 ga. (0.55) minimum, see note 6
- (C) 3/4" x 3/4" x 16 ga. (19 x 19 x 1.61) or 1 1/2" x 1 1/2" x 22 ga. (19 x 19 x 0.85) Support Angle (2 sides), see notes 2 & 3
- (D) Flex Duct UL Classified Air Duct (Class 0 or 1)
- (E) Wood Truss (refer to specific UL Design No.)
- (F) 5/8" (16) Gypsum Wallboard (refer to specific UL Design No.)
- (G) RC Channel
- (H) Plaster flange
- (I) 1" x 1" x 22 ga. (25 x 25 x .85) Retaining Angle (min.) on all 4 sides
- (J) Air Duct
- (K) Ceiling Damper (1 or 2 blades, or curtain type)



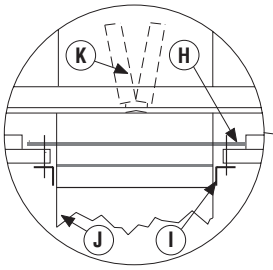
DETAIL B



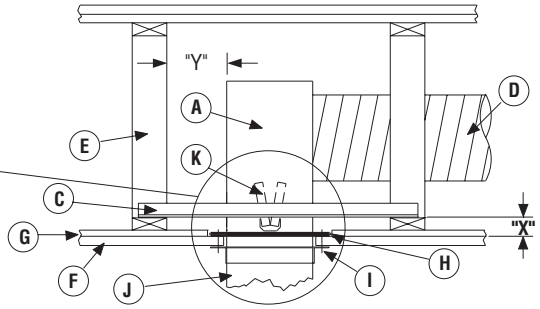
END VIEW WITH GRILLE (0756)



DETAIL A



DETAIL C



END VIEW WITH DUCT (0756D)

NOTES:

1. Before installing, open damper blades and install fusible link between spring loaded wire clips. Do not bend or deform clips after assembly. If dampers are provided with link tabs instead of wire clips, install link and bend tabs to secure link in position.
2. Attach 3/4" x 3/4" x 16 ga. (19 x 19 x 1.61) or 1 1/2" x 1 1/2" x 22 ga. (38 x 38 x 0.85) support angles to steel plenum with a minimum of two #8 screws or 3/16" (5) dia. steel pop rivets or spot welds each side. Distance from bottom of angle to bottom of plaster flange (X) should be the combined thickness of the wood truss member and the RC channel (See Detail A). **Make sure fasteners do not interfere with damper operation.**
3. Install assembly between trusses as shown in End View and attach support angles to truss lower members using 1 1/4" (32) long type S steel screws or similar. See Detail C for alternate end view with duct (0756D). See Detail B for alternate support angle attachment method. Minimum clearance (Dimension "Y") between damper assembly and wood truss is 2" (51).
4. Ceiling penetrations should be located between adjacent trusses and RC channels. If required, a maximum of one RC channel may be cut or notched to enable proper damper location. The clearance between the damper assembly and the cutout in the ceiling material shall be a maximum of 1/8" (3) on any side.
5. Flex duct shall be UL Classified Air Duct Class 0 or Class 1 and shall be attached to the plenum collar with steel clamps, plastic straps, or minimum 18 gauge steel wire.
6. The grille/diffuser frame shall be 26 gauge (0.55) minimum steel and shall be attached with a minimum of two #8 x 1 1/4" (32) min. screws through the ceiling material and into the plaster flange.
7. Refer to UL Fire Resistance Directory Vol. I for details on UL Floor/Ceiling Design No.'s L528, L546, L550, L558, L562, L574, L576, L579, L581, L583, L585, M501, M503 and Roof/Ceiling Design No.'s P531, P533, P538, P545, P547 and P552, 1 Hour Fire Rating. Max. Opening Size 16" W x 12" H (406 x 305). May be 18" W x 18" H (457 x 457) with radiation damper at ceiling level.

Dimensions are in inches (mm).