
Miami Tech Inc.

MODEL 615
CEILING DAMPER
INSTALLATION INSTRUCTIONS



The City of New York 909-89-SM
California State Fire Marshall 3225-1382:100

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Foreword

This publication details the installation requirements for ceiling dampers as manufactured by Miami Tech®. Use of this manual for systems or products not manufactured or supplied by Miami Tech shall not be applicable.

All products covered by this manual have been tested in accordance with UL555C and are authorized to bear the UL classification mark for ceiling dampers. Specific Ceiling Damper model numbers and their corresponding UL file numbers may be found in UL's Fire Resistance Directory.

For specific ceiling damper location requirements, duct construction and connection or installation practices, refer to the following codes or standards:

NFPA Publications:

NFPA 90A - Standard for the Installation of Air-Conditioning and Ventilation Systems

UL Publications:

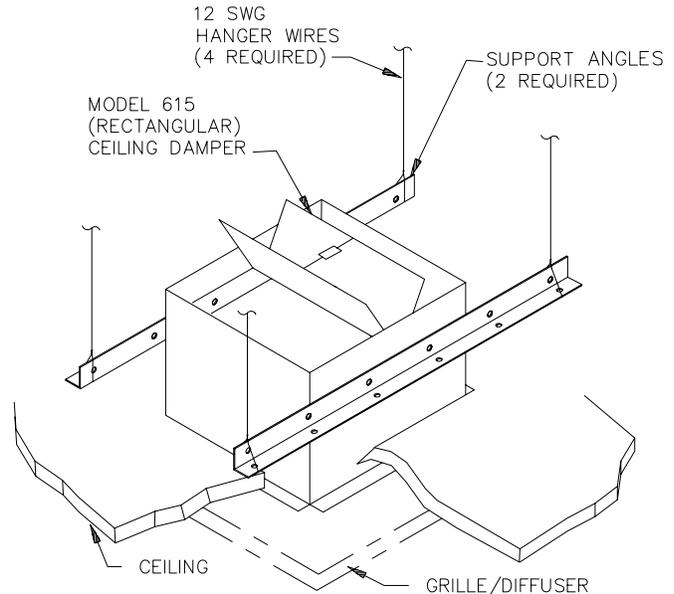
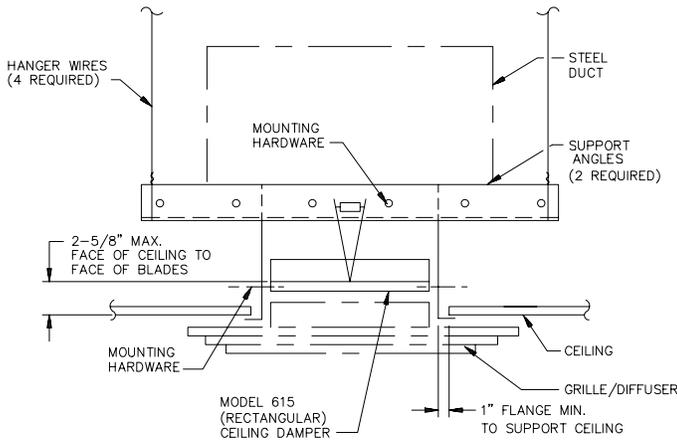
UL555C - Standard for Safety, Ceiling Dampers

SMACNA Publications:

Fire, Smoke and Radiation Damper Installation Guide for HVAC Systems Guide
HVAC Duct Construction Standards - Metal and Flexible

The Installation Instructions found within this manual have been specifically drawn and detailed to meet the requirements of UL555C. Some jurisdictions may require additional or different installation methods; therefore, consult with the authority having jurisdiction for specific differences. For these cases, the requirements defined by the authority having jurisdiction will take precedence over the documents contained herein.

Model 615 . Ceiling Damper



Fusible Link - 165°F, 212°F Alternate



MODEL 615 CEILING DAMPER

NOTES:

1. Before installing damper Model 615, open blades and hook fusible link over link catch on opposite blade. Bend down link catch to secure link in position. If single blade damper is used, link catch is mounted to the damper wall.
2. Support the duct with 2, 16 gauge galvanized steel support angle, 1-1/2" x 1-1/2" with holes. Place the support channels at the bottom of the duct adjacent to both sides of the duct drop. Install the ceiling damper in the duct drop using 3/16" diameter by 1/2" long steel bolts, No. 8 by 1/2" long sheetmetal screws, or 3/16" diameter steel rivets at 6" on center with a minimum of two per channel. Fasteners shall not interfere with the operation of the ceiling damper. To install in sleeve, use either 1/4" diameter steel nuts and bolts, No. 10 sheetmetal screws, 1/4" diameter steel rivets, or 1/2" long welds, all of which must be 6" on center and a maximum of 1-3/4" from the ends.
3. Use 12 SWG galvanized steel hanger wire to independently support channels from the structural members of the floor or roof above.
4. The clearance between each side of the ceiling damper and the duct drop shall be 1/8" maximum.
5. Duct outlets in lay-in ceilings should be located in the field of an acoustical ceiling panel or tile. Where it is necessary to cut a main runner or cross tee, each cut end shall be supported by a vertical 12 SWG hanger wire. A 1/2" clearance shall be maintained between the duct drop and each cut end of the main runner or cross tee. The duct outlet shall be located so that no more than one runner or cross tee is cut when penetrating the ceiling membrane.
6. Maximum size of Model 615 is 24 x 24".
7. Refer to SMACNA and ASHRAE duct installation guidelines for duct requirements.