

CFD7T CEILING FIRE DAMPERS UL Classified Radiation Dampers for Wood Truss Construction

APPLICATION

The CFD7T is a UL Classified Ceiling Fire Damper that is UL listed for installation in wood truss floor/ceiling and roof/ceiling designs L528, L558, L574, L586, P533, P545 and P548. These designs are also similar to the fire resistance rated ceiling construction described in the International Building Code. Unlike other ceiling dampers designed and tested for wood truss applications, the CFD7T does not require additional damper insulation or boot/box enclosures to meet UL approved installation requirements. The CFD7T is also UL approved for installation with duct connection below the membrane penetration.

The CFD7T is designed to be used with a factory or field supplied plenum box or without any plenum box at all for non-ducted return air applications. All CFD7T styles are designed to accept a grille with an OBD up to a maximum of 2 1/2" in depth. The CFD7T is also designed to include an optional bottom extension for ceiling membrane penetration where the grille/diffuser is in an architectural ceiling below the fire rated ceiling assembly.

The CFD7T is constructed with a 1" (25.4) factory roll formed plaster flange to connect the Grille/Diffuser in to.

STANDARD CONSTRUCTION

FRAME

Galvanized steel (in gauges required by UL listing R8039).

FUSIBLE LINK

165°F (74°C) is standard. 212°F (100°C) is available at no additional cost.

MINIMUM SIZE (Damper Sizes)

5"w x 4"h (127 x 102).

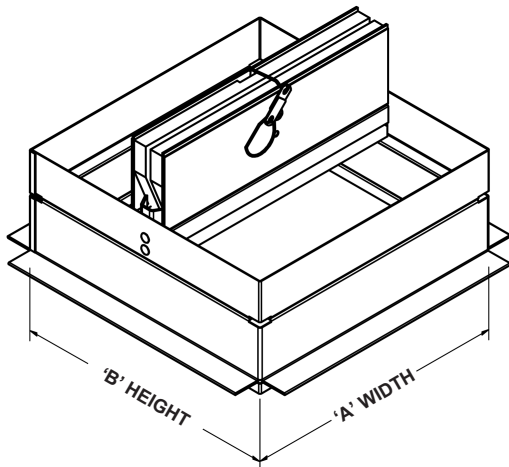
MAXIMUM SIZE (Damper Sizes)

18"w x 18"h (457 x 457).

Dimensions shown in parentheses () indicate millimeters.

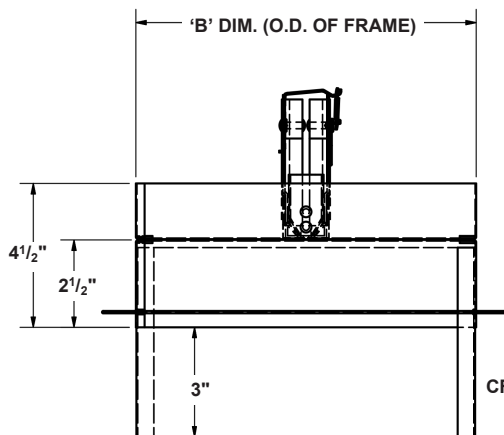
Model CFD7T the requirements for fire/radiation dampers established by:

- National Fire Protection Association NFPA Standards 80, 90A, 92A, 92B, and 101.
- ICC International Building Codes
- CSFM California State Fire Marshal Listing (3225-0245:0123)

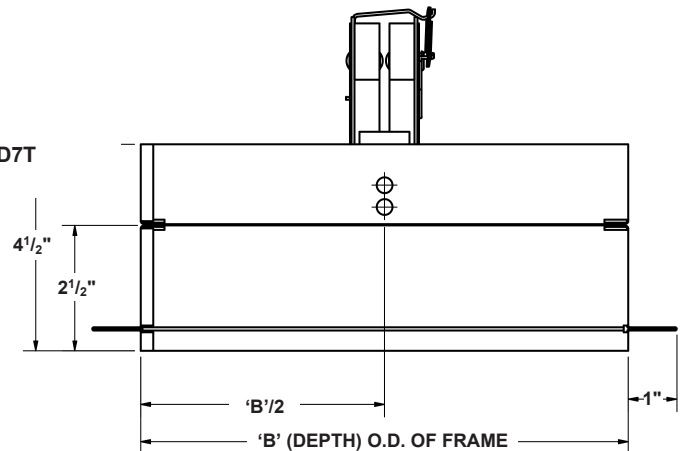


Standard Construction CFD7T

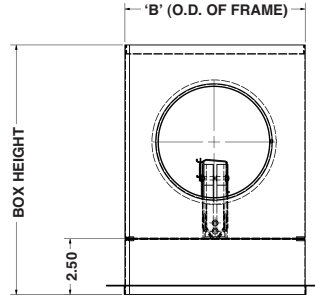
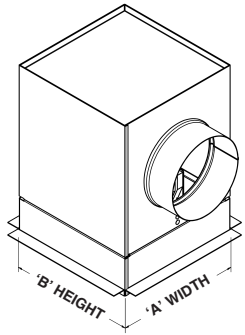
**UL CLASSIFIED
ULC LISTED**
UL555C Listing R8039



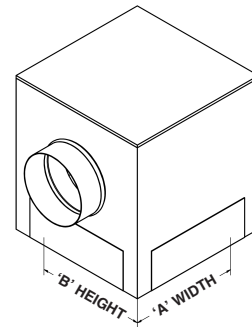
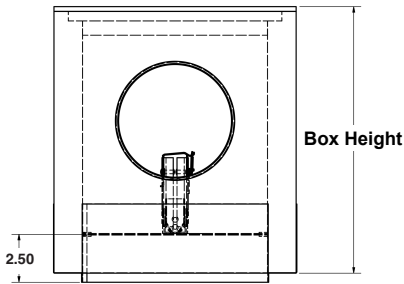
CFD7T with 3" Bottom Extension



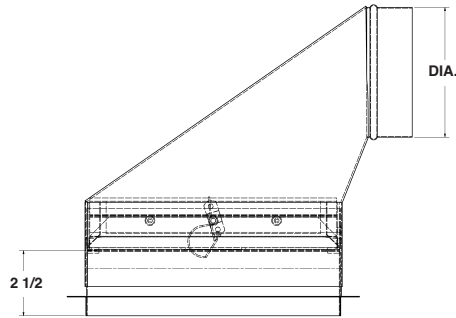
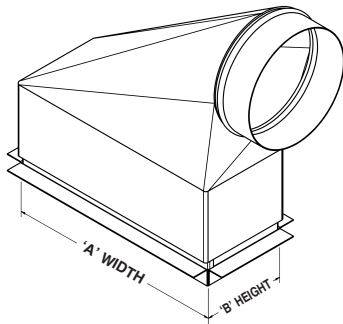
The CFD7T damper can be supplied with a factory installed Steel or R6 duct board plenum box or 90 deg., end or top boot. These boots/boxes also can be field supplied and installed onto the standard CFD7T without voiding the UL listing. The only requirement is that any plenum or boot may not exceed 10 lb in weight.



The CFD7T with Optional Steel Plenum box.



The CFD7T with Optional R6 Duct Board Plenum box.



CFD7T with Optional Boot
End Boots, Top Boots and 90 Deg. Boots Available

SUGGESTED SPECIFICATION

Furnish and install, at locations shown on the plans, ceiling fire dampers tested and listed for wood truss construction including UL ceiling designs L528, L558, L574, L586, P533, P545 and P548. Ceiling fire dampers shall be produced in an ISO 9001 certified factory. All installations shall be in accordance with manufacturer's published installation instructions and do not require additional field installed insulated boots, boxes or plenums to meet the UL listing.

Ceiling penetrations should be located between adjacent truss and RC or Furring channels. The entire system shall be UL classified and ULC Listed for use in wood truss applications. System proposed for installation must be equivalent in all respect to Ruskin Model CFD7T or CFDR7T.

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