

# MODULATING SUPPLY AIR DIFFUSER

## SUBMITTAL



***Modulating supply air diffuser***  
**\*Controlled by Wireless Programmable Thermostat**  
**Part #WD-FUSER**

## DESCRIPTION

The **WD-Fuser** provides fully modulating auto changeover operation controlled by a wireless thermostat which controls both heating and cooling in each VAV zone. The WD-Fuser is designed to operate in a bypass VAV system or for stand alone or floating zone application.

This combination damper - diffuser is equipped with a fluidic nozzle providing each zone with exceptional temperature control and maximum comfort. The WD-Fuser utilizes fluidic principles to maximize the Coanda effect. As room load varies, the WD-Fuser modulates to control the flow of supply air, maintaining the smoothest possible flow of air, coupled with the greatest ceiling attachment.

A wireless thermostat operating on a proprietary wireless network communicates and modulates the WD-Fuser based on zone demand and temperature variance from set point.

The WD-Fuser can be used with duct sizes of 6", 7", 8", 9" or 10". Order the collar size to fit appropriate duct size for the application.

## TECHNICAL DATA

### ***Electrical:***

**Supply Voltage:** 24vac  
**Power consumption:** 2.0 VA maximum  
**Inputs:** 24vac

### ***Environmental:***

**Operating temperature:** 32° to 140° F (0° to 60° C)  
**Operating humidity:** 5-95%, non-condensing  
**Storage temperature:** 0° to 160° F (-17° to 71° C)

### ***Dimensions:***

23 7/8" wide and 23 7/8" deep, 16 7/8" high with Collar  
Weight 18.5 lbs.  
Fits into 2x2 T-bar ceiling

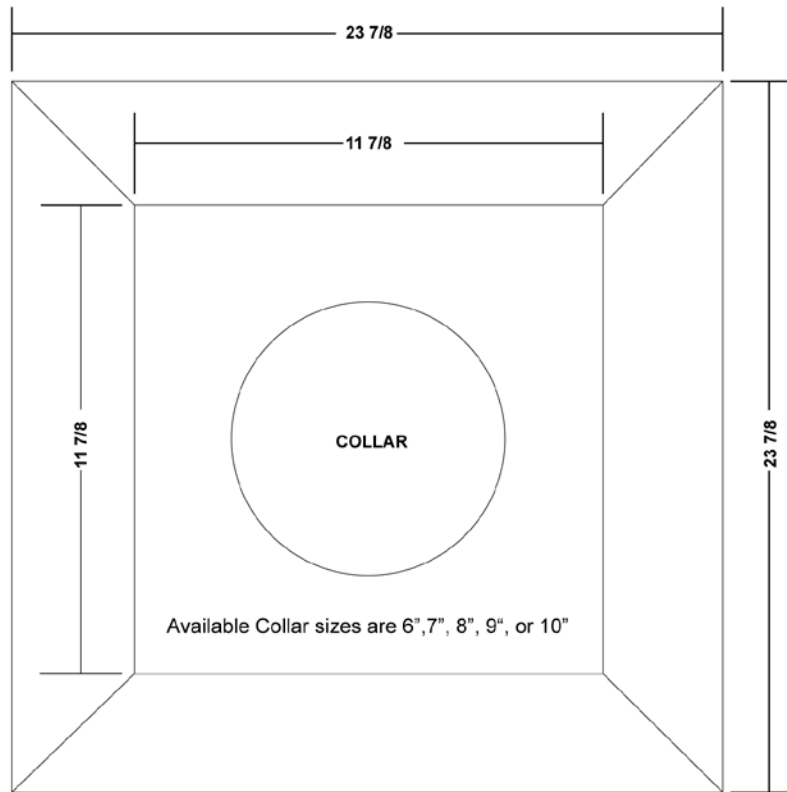
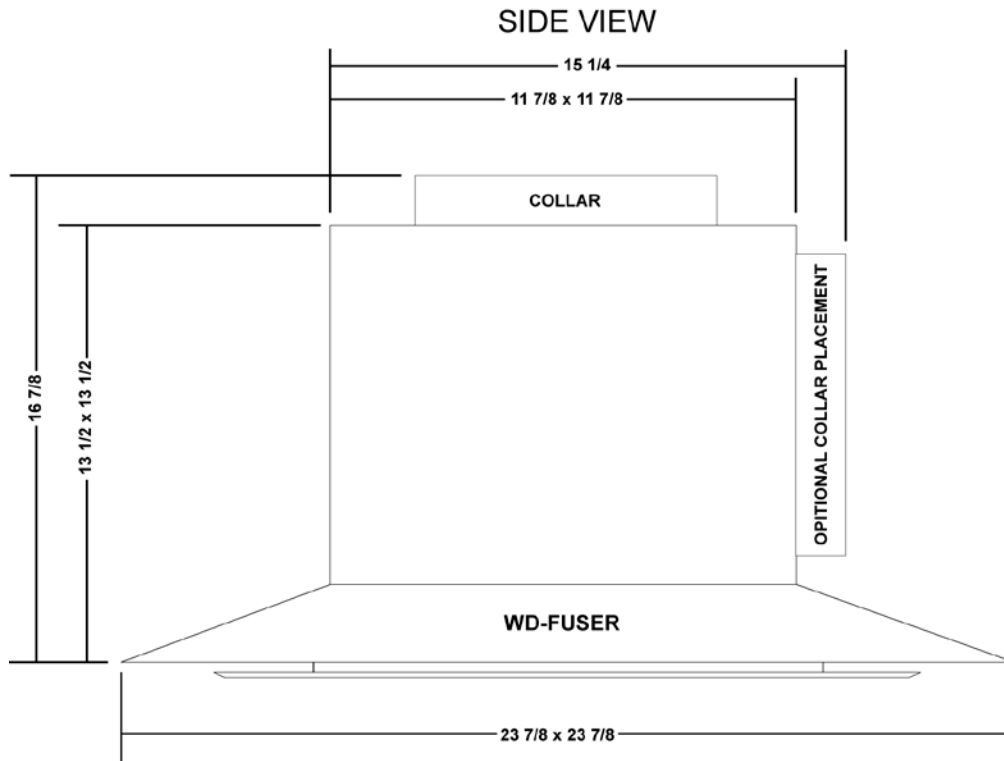
**NOTE:** Static Pressure at the collar neck must not exceed .1" SP. A fully modulating Bypass damper with integrated static pressure control is recommended when SubZone controls exceed 35% of the system's air capacity.

\*Compatible only with GEN III VVT and SubZone wireless systems.

REV 2/11/16

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## Dimensional Data:



TOP VIEW