

SUBMITTAL



D-Fuser **Modulating supply air diffuser** Part # DFUSER

DESCRIPTION

The Zonex Systems D-Fuser is a fully modulating 24-Volt stand-alone combination damper and diffuser providing variable air volume (VAV) control. The D-Fuser may be incorporated in existing Zonex bypass VAV systems.

The D-Fuser is used to combine a damper and supply air grill as one component. D-Fuser may be used in Gen II, Samod II, ZonexCommander Plus and ModCom II systems.

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

The D-Fuser uses a 24-Volt signal from the thermostat to modulate the damper platen open or closed. Thermostats will energize RC (run closed) and RO (run open) based on zone demand.

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

TECHNICAL DATA

Electrical:

Supply Voltage: 24vac
Power consumption: 2 VA maximum
Inputs: 24vac

Environmental:

Operating temperature: 32° to 140° F
Operating humidity: 5-95%, non-condensing
Storage temperature: 0° to 160° F

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.

REV 2/11/16

D-FUSER MODULATING SUPPLY AIR DIFFUSER

Dimensional Data:

