

# TR RECTANGULAR LOW PRESSURE ZONE DAMPER

## SUBMITTAL



## TR

### *Rectangular low pressure zone dampers*

## DESCRIPTION

Each TR low pressure unit is a two position, spring open, power closed opposed blade supply air damper. The dampers are available from 8" x 8" to 30"x12", in 2" increments. The TR dampers are rated for a maximum pressure differential of .5" W.C.

The damper consists of an extruded aluminum frame, which provides maximum rigidity. All opposed blade shafts are fully enclosed in nylon bushings to reduce friction and ensure quiet operation. A high density rubber gasket affords an efficient seal to minimize blade to frame leakage.

All TR dampers feature 24vac, full stall motors, which do not require use of end switches to terminate travel. Each TR is equipped with a damper relay board.

TR dampers can be paralleled to provide additional zone CFM capacity when required.

The TR offers a simple slide in installation, and motors are easily removed for shaft and pin inspection.

The TR may be ordered with a bottom mounted motor.

## TECHNICAL DATA

### **Electrical:**

**Supply Voltage:** 24vac

**Power consumption:** 12 VA maximum

**Input:**

- 24vac

**Output:**

- Measured: 24vac

### **Environmental:**

**Operating temperature:** -10 to 150° F (-23 to 66° C)

**Operating humidity:** 10-95% non-condensing

**Storage temperature:** -10 to 150° F (-23 to 66° C)

### **General:**

**Frame:** .050 extruded aluminum

**Linkage:** Stainless steel

**Actuator:** Synchron

**Stroke:** 90° full close

**Pressure drop:** < .09" W.C. @ rated CFM

Rev 1/13/16

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## TR CFM CAPACITIES\*

		WIDTH								
		8"	10"	12"	14"	16"	18"	20"	22"	24"
HEIGHT	6"	200	250	310	350	460	515	575	650	700
	8"	280	390	490	590	680	770	900	1000	1090
	10"		510	650	800	950	1100	1220	1400	1500
	12"			850	1000	1200	1400	1600	1880	2000
	14"				1250	1500	1800	2050	2250	2400
	16"					1825	2100	2450	2300	2800

\* Capacities are for reference only. Duct friction rate should be established by use of ACCA Manual D, Manual Q or equivalent. Maximum recommended velocity: 1500 FPM.

## ORDERING INFORMATION

Part No.	Description
TR (W x H)	Rectangular low pressure zone damper, side mount Sizes 8" x 8 through 30" x 12".
TR (W x H) BM	Rectangular low pressure zone damper; bottom mount.

