

RECTANGULAR BOTTOM MOUNT LOW PRESSURE ZONE DAMPER

SUBMITTAL



TREC-BM *Rectangular bottom mount low pressure zone damper*

DESCRIPTION

Each TREC-BM is a low pressure, two position, spring open, power closed single blade supply air damper. The dampers are available from 10" x 8" to 24" x 12", in 2" increments. The TREC-BM dampers are rated for a maximum pressure differential of .5" W.C.

The damper consists of a steel frame and heavy duty bottom plate. Damper blade shafts are fully enclosed in Celcon bushings to reduce friction and ensure quiet operation. A high density foam rubber gasket with a welded angle brackets affords an efficient seal to minimize blade to frame leakage. The motor and shaft are internally enclosed within the damper assembly.

All TREC-BM dampers feature a 24 VAC full stall motor which do not require use of end switches to terminate travel. Each TREC-BM is equipped with a field wiring terminal board, accessed from the bottom plate with a red LED to indicate when the damper is being powered closed.

TREC-BM dampers can be paralleled to provide additional zone CFM capacity when required.

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

TECHNICAL DATA

Electrical:

Supply Voltage: 24 VAC

Power consumption: 12 VA maximum

Input: 24 VAC

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: 20 gauge steel

Bottom plate: 16 gauge steel

Blade: Single, 20 gauge steel

Actuator: Synchron

Stroke: 90° full close

REV 1/30/25

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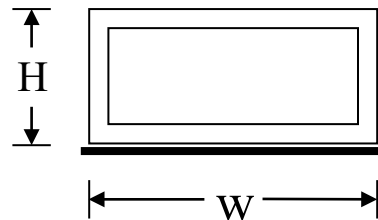
TREC-BM CFM CAPACITIES*

HEIGHT	WIDTH							
	8"	10"	12"	14"	16"	18"	20"	24"
8"		390	490	590	680	770	900	1090
10"		510	650	800	950	1100	1220	1500
12"			850	1000	1200	1400	1600	2000

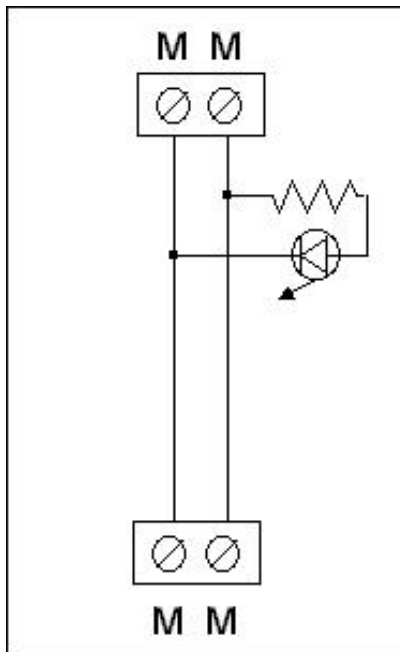
* Capacities are for reference only. Duct friction rate should be established by use of ACCA Manual D, Manual Q or equivalent. Maximum recommended velocity: 700 FPM.

ORDERING INFORMATION

Part No.	Description
TREC(W x H)BM	Rectangular low pressure zone damper, side mount Sizes 10" x 8" through 24" x 12".



TERMINAL FUNCTIONS



MM- 24 VAC input to damper motor. Power open.
MM- 24 VAC output to damper motor