

TREC FAD RECTANGULAR FRESH AIR DAMPER

SUBMITTAL



TREC FAD *Rectangular fresh air damper*

DESCRIPTION

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

The damper consists of a galvanized steel frame and heavy-duty front 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 galvanized angle affords an efficient seal to minimize blade to frame leakage.

All TREC FAD dampers feature 24V ac, full stall motors, which do not require use of end switches to terminate travel. Each TREC FAD is equipped with a motor terminal board, which also provides a damper open LED indicator.

The TREC FAD offers a simple slide in installation, and motors are easily removed for inspection or replacement.

TECHNICAL DATA

Electrical:

Supply Voltage: 24vac
Power consumption: 12 VA maximum
Input: 24vac
Wiring: 18/2 AWG wire

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 galvanized steel
Front plate: 16 gauge galvanized steel
Actuator: Synchron
Stroke: 90° full close

Rev 1/13/16

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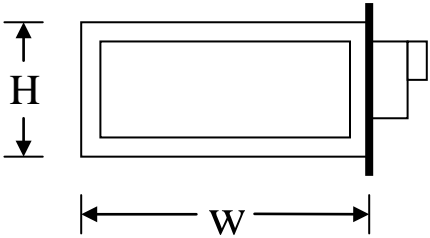
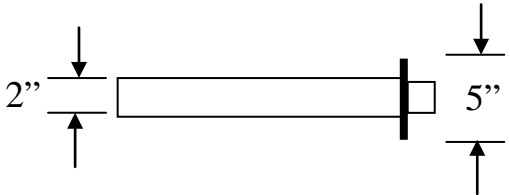
TREC FAD CFM CAPACITIES*

		← WIDTH →							
HEIGHT		8"	10"	12"	14"	16"	18"	20"	24"
8"		280	390	490	590	680	770	900	1090
10"			510	650	800	950	1100	1220	1500
12"				850	1000	1200	1400	1600	2000

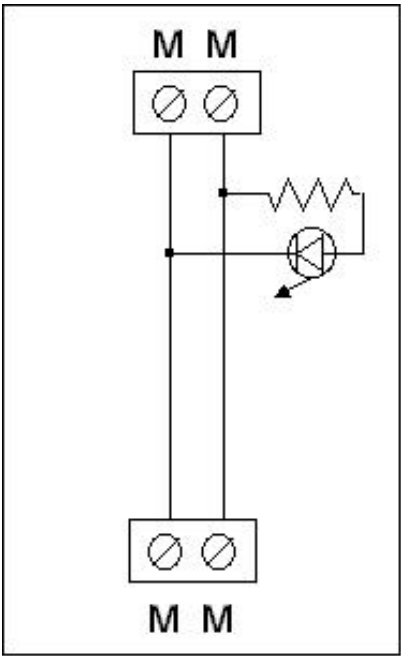
* Capacities are for reference only. Duct friction rate should be established by use of ACCA Manual D, Manual Q or equivalent. Maximum recommended velocity: 1100 FPM.

ORDERING INFORMATION

Part No.	Description
TREC FAD (W x H)	Rectangular fresh air damper, side mount Sizes 8" x 8" through 24" x 12".



TERMINAL FUNCTIONS



M – 24vac to FAD damper motor. Power open.
M – 24vac common to FAD damper motor.