

TR ROUND LOW PRESSURE ZONE DAMPER

SUBMITTAL



TR **Round low-pressure zone damper**

DESCRIPTION

Each TR low pressure unit is a two position, spring open, power closed supply air damper used on systems 5 tons or less. The dampers are available from 4" – 18" round, with a maximum pressure differential of .5" W.C.

The 4" – 10" damper cylinders are fabricated from 24-gauge steel; the 12" – 18" cylinders from 22-gauge steel. Each cylinder features **three** rolled beads, which provide maximum structural integrity. The trailing end is crimped for ease of installation. Positive air seal is accomplished without the use of gaskets, linkages or set screw adjustment.

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

TR dampers 6"-16" offer an adjustable minimum stops of 15% and 30% of the total CFM of the damper.

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

Damper motors are easily removed for damper shaft inspection. Each actuator hat section is insulated to prevent condensation.

Note: Minimum stop CFM will vary based on static pressure.

TECHNICAL DATA

Electrical:

Supply Voltage: 24vac
Power consumption: 12 VA maximum
Input: 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:

Shell: 22-24 gauge cold rolled galvanized steel
Shaft: ½" aluminum, round
Bushings: Celcon
Actuator: Synchron
Stroke: 90°
Pressure drop: < .09" W.C. @ rated CFM

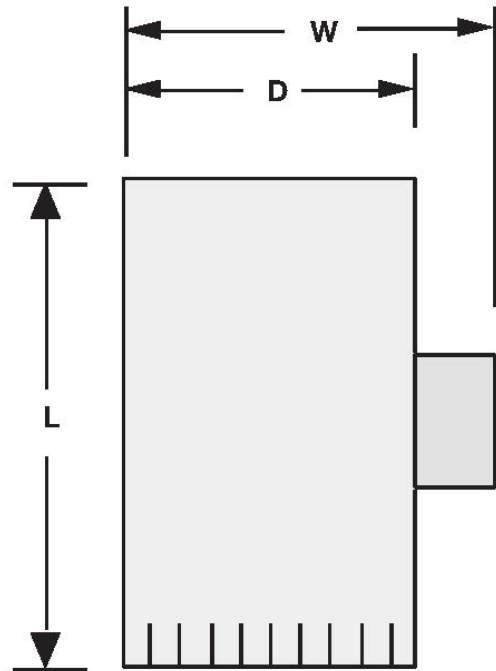
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ORDERING INFORMATION

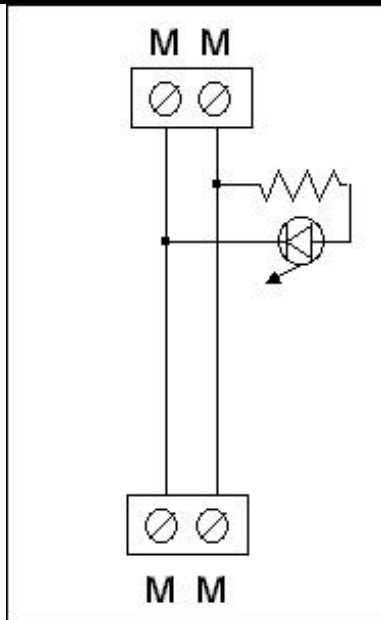
Part No.	Description
TR04	Low pressure zone damper, round, 4" diameter
TR05	Low pressure zone damper, round, 5" diameter
TR06	Low pressure zone damper, round, 6" diameter
TR07	Low pressure zone damper, round, 7" diameter
TR08	Low pressure zone damper, round, 8" diameter
TR09	Low pressure zone damper, round, 9" diameter
TR10	Low pressure zone damper, round, 10" diameter
TR12	Low pressure zone damper, round, 12" diameter
TR14	Low pressure zone damper, round, 14" diameter
TR16	Low pressure zone damper, round, 16" diameter
TR18	Low pressure zone damper, round, 18" diameter

Dimensional Data

Part No.	Diameter	Length	Width
TR04	4"	10"	6 3/4"
TR05	5"	10"	7 3/4"
TR06	6"	10"	10 1/4"
TR07	7"	10"	11 1/4"
TR08	8"	10"	12 1/4"
TR09	9"	11 1/4"	13 1/4"
TR10	10"	12"	14 1/4"
TR12	12"	14"	16 1/4"
TR14	14"	16"	18 1/4"
TR16	16"	18 1/2"	20 1/4"
TR18	18"	20 1/2"	20 1/2"



TERMINAL FUNCTIONS



MM- 24vac input to damper motor
 MM- 24vac common input to damper motor