

R80 DAMPER FEATURES

- Open, close or modulating.
- Uses electronic control of the motor rather than using the PCB and rotating wiper switches that degrade over time.
- Keyed shaft makes attaching actuators to damper error free.
- 5/16-inch diameter, die cast shafts with nylon bushings for quiet and reliable operation.
- Tested to over 9 million cycles and will provide years of quiet and reliable operation.

R80 DAMPER SPECIFICATIONS

Output Torque
80 in-oz.

Input Control
24VAC applied to OPN or CLS terminal.

Operation Time
Fully opens in approximately 2.7 seconds.

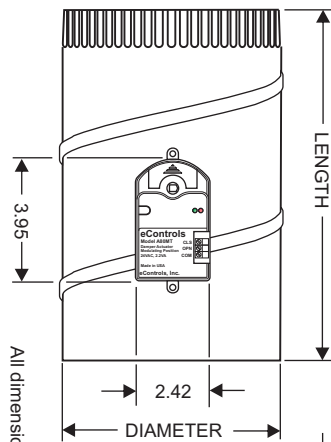
LED Indicators
Green LED indicates fully open and red LED indicates fully closed.

Electrical Power
24VAC or 24VDC.

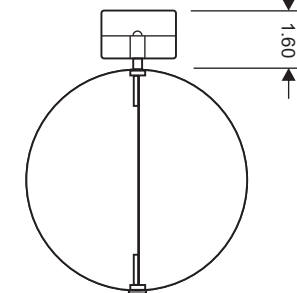
Damper Shell
24 Gage, galvanized steel.

Temperature, Operating
-20° to 175° F.

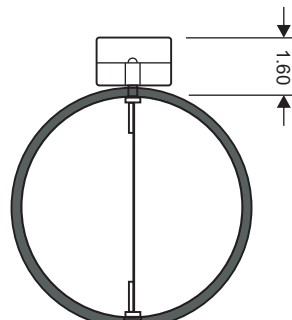
Maximum Static Pressure
1.0 inch H₂O.



All dimensions in inches



Blade, Non-Sealed Damper



Blade, Sealed Damper

Diameter	Length	Shell	CFM at 400 FPM	CFM at 600 FPM	CFM at 800 FPM	CFM at 1000 FPM	CFM at 1200 FPM
6-inch	10-inch	24 Gage	79	118	157	196	236
7-inch	10-inch	24 Gage	107	160	214	267	321
8-inch	10-inch	24 Gage	140	209	279	349	419
9-inch	11-inch	24 Gage	177	265	353	441	531
10-inch	12-inch	24 Gage	218	327	436	545	655
12-inch	14-inch	24 Gage	314	471	628	785	942
14-inch	16-inch	24 Gage	428	641	855	1069	1283
16-inch	18-inch	24 Gage	559	838	1117	1396	1676
18-inch	20-inch	24 Gage	707	1060	1414	1767	2121
20-inch	22-inch	24 Gage	873	1309	1745	2182	2618

R80DV-XX Wired, w/ A80VP Actuator, Modulating, Non-Sealed



Compatible Controls

MWC

Damper Blade

Single, 20 to 24GA galvanized steel blade - no restriction on airflow.

Wiring

3-Conductor Thermostat wire

Electrical Power

24VAC or 24VDC, 2.4VA operating and 1VA holding.

Direct Damper Control

Model #	Description
R80DV06	6" Round, Modulating, Wired
R80DV07	7" Round, Modulating, Wired
R80DV08	8" Round, Modulating, Wired
R80DV09	9" Round, Modulating, Wired
R80DV10	10" Round, Modulating, Wired
R80DV12	12" Round, Modulating, Wired
R80DV14	14" Round, Modulating, Wired

R80DWL-XX Wireless, w/ A80WLD Actuator, Modulating, Non-Sealed



Compatible Controls

WRCD, T200WLD

Damper Blade

Single, 20 to 26GA galvanized steel blade - no restriction on airflow.

Wiring

2-Conductor Thermostat wire to 24VAC transformer. Wireless communication to controls.

Electrical Power

24VAC or 24VDC, 2.8VA operating and 1VA holding.

Direct Damper Control

Model #	Description
R80DWL06	6" Round, Modulating, Wireless
R80DWL07	7" Round, Modulating, Wireless
R80DWL08	8" Round, Modulating, Wireless
R80DWL09	9" Round, Modulating, Wireless
R80DWL10	10" Round, Modulating, Wireless
R80DWL12	12" Round, Modulating, Wireless
R80DWL14	14" Round, Modulating, Wireless

5-Year Warranty

All products have a 5-year warranty, limited to the repair or replacement of the product due to defective material or workmanship.

eControls

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