

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.

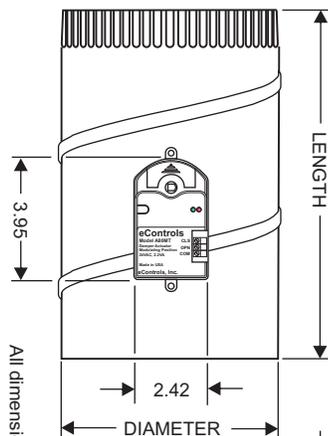
LED Indicators
Green LED indicates fully open and red LED indicates fully closed.

Electrical Power
24VAC or 24VDC.

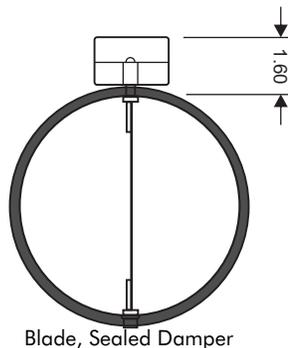
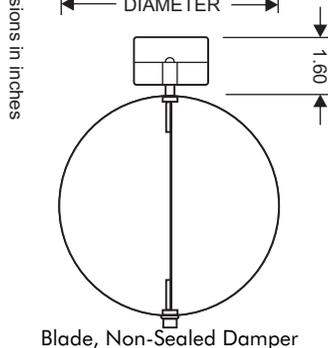
Damper Shell
24 Gage, galvanized steel.

Temperature, Operating
-20° to 175° F.

Maximum Static Pressure
1.0 inch H₂O.



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



R80CJ-XX Plug and Play, w/ A80MJ Actuator, Modulating, Non-Sealed



Compatible Wiring Hubs
WH11, WH32, WH42 and WH42H

Damper Blade
Single, 20 to 22GA galvanized steel blade - no restriction on airflow.

Wiring
Plug and play cable, provided

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

Airflow Control

Model #	Description
R80CJ06	6" Round, Modulating, Plug&Play
R80CJ07	7" Round, Modulating, Plug&Play
R80CJ08	8" Round, Modulating, Plug&Play
R80CJ09	9" Round, Modulating, Plug&Play
R80CJ10	10" Round, Modulating, Plug&Play
R80CJ12	12" Round, Modulating, Plug&Play
R80CJ14	14" Round, Modulating, Plug&Play
R80CJ16	16" Round, Modulating, Plug&Play
R80CJ18	18" Round, Modulating, Plug&Play
R80CJ20	20" Round, Modulating, Plug&Play

R80CT-XX Wired, w/ A80MT Actuator, Modulating, Non-Sealed



Compatible Thermostats

C365T11, C365T21, C365T21WF

Damper Blade

Single, 20 to 22GA galvanized steel blade - no restriction on airflow.

Wiring

3-Conductor Thermostat wire

Electrical Power

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

Airflow Control

Direct Damper Control

Model #	Description
R80CT06	6" Round, Modulating, Wired
R80CT07	7" Round, Modulating, Wired
R80CT08	8" Round, Modulating, Wired
R80CT09	9" Round, Modulating, Wired
R80CT10	10" Round, Modulating, Wired
R80CT12	12" Round, Modulating, Wired
R80CT14	14" Round, Modulating, Wired
R80CT16	16" Round, Modulating, Wired
R80CT18	18" Round, Modulating, Wired
R80CT20	20" Round, Modulating, Wired

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



Damper Blade

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

Wiring

Wireless communication to T500DWL.
2-Conductor Thermostat wire to 24VAC transformer.

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

R80ZJ-XX Plug and Play, w/ A80MJ Actuator, Open/Close, Sealed



Compatible Wiring Hubs

WH42 and WH42H

Damper Blade

Dual, 26GA galvanized steel blades with sandwiched, rubber gasket for efficient airflow.

Wiring

Plug and play cable, provided

Electrical Power

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

Fresh Air Damper

Model #	Description
R80ZJ06	6" Round, Open/Close, Plug&Play
R80ZJ07	7" Round, Open/Close, Plug&Play
R80ZJ08	8" Round, Open/Close, Plug&Play
R80ZJ09	9" Round, Open/Close, Plug&Play
R80ZJ10	10" Round, Open/Close, Plug&Play

R80ZT-XX Wired, w/ A80MT Actuator, Open/Close, Sealed



Compatible Thermostats

T511FA and T511FAWF

Damper Blade

Dual, 26GA galvanized steel blades with sandwiched, rubber gasket for efficient airflow.

Wiring

3-Conductor thermostat cable

Electrical Power

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

Fresh Air Damper

Model #	Description
R80ZT06	6" Round, Modulating, Wired
R80ZT07	7" Round, Modulating, Wired
R80ZT08	8" Round, Modulating, Wired
R80ZT09	9" Round, Modulating, Wired
R80ZT10	10" Round, Modulating, Wired

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.