

Comfort365 Wireless, Modulating Damper

The R80CW wireless damper is designed for Comfort365 wireless installations and is sold as a complete damper or the actuator and damper can be ordered separately. The damper communicates wirelessly to the Comfort365 thermostat using an FCC certified ISM radio and only requires 24VAC from the HVAC system R and C.



Order as a complete damper

or



+



Order Actuator and Damper separately.

The actuator has been tested to over 9 million cycles and will provide years of quiet and reliable operation.

- Wireless communication to C365 thermostat.
- Modulating
- 80 in-oz of torque.
- LED indicators for fully open.
- 24VAC, 2.8VA operating, 1VA holding.
- Keyed shaft makes attaching actuator to damper error free.
- 5/16-inch diameter, die cast shafts with nylon bushings for quiet and reliable operation.
- No internal gasket to restrict airflow.
- 5-Year Warranty.

Ordering Information

Complete Damper Damper Model #	Actuator and Damper Sold Separately				Description
	Actuator Model #	+ Damper Model #	or	Damper GPE Model #	
R80CW06	A80WL2	URC06	or	4221_0610_24	6" Round C365 Damper, Modulating, Wireless
R80CW07	A80WL2	URC07	or	4221_0710_24	7" Round C365 Damper, Modulating, Wireless
R80CW08	A80WL2	URC08	or	4221_0810_24	8" Round C365 Damper, Modulating, Wireless
R80CW09	A80WL2	URC09	or	4221_0911_24	9" Round C365 Damper, Modulating, Wireless
R80CW10	A80WL2	URC10	or	4221_1012_24	10" Round C365 Damper, Modulating, Wireless
R80CW12	A80WL2	URC12	or	4221_1214_24	12" Round C365 Damper, Modulating, Wireless
R80CW14	A80WL2	URC14	or	4221_1416_24	14" Round C365 Damper, Modulating, Wireless
R80CW16	A80WL2	URC16	or	4221_1618_24	16" Round C365 Damper, Modulating, Wireless
R80CW18	A80WL2	URC18	or	4221_1820_24	18" Round C365 Damper, Modulating, Wireless
R80CW20	A80WL2	URC20	or	4221_2022_24	20" Round C365 Damper, Modulating, Wireless

Compatible Wireless Thermostats	C365W21 GE 2H/1C or 1H/2C HP 2H/2C	C365W21WF GE 2H/1C or 1H/2C HP 2H/2C, WiFi
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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.



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Specifications

Damper Operation

Modulating.

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, 2.8VA operating and 1VA holding.

Actuator

A80WL2

Damper Shell

24 gage, galvanized steel.

Damper Blade

Single, galvanized steel blade - no restriction on airflow.

Wiring

2-Conductor Thermostat Cable

Temperature, Operating

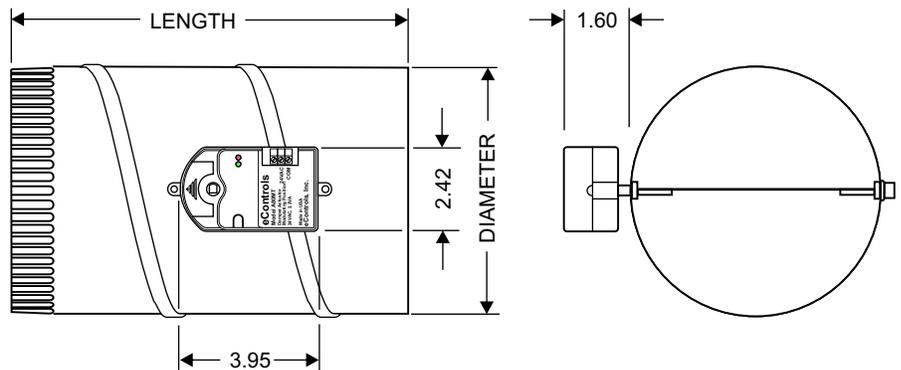
-20° to 175°F.

Maximum Static Pressure

1.0 inch H₂O.

Electronic Motor Control

The A80WL2 uses electronic control of the motor rather than using the PCB and rotating wiper switches that degrade over time. The A80 has been tested to over 9 million cycles without failure.



All dimensions in inches

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

Description	Diameter	Length	Blades	Shell
6-inch C365 Round Damper, w/ A80WL2 Wireless Actuator, 2-Terminal	6-inch	10-inch	22 Gage	24 Gage
7-inch C365 Round Damper, w/ A80WL2 Wireless Actuator, 2-Terminal	7-inch	10-inch	22 Gage	24 Gage
8-inch C365 Round Damper, w/ A80WL2 Wireless Actuator, 2-Terminal	8-inch	10-inch	22 Gage	24 Gage
9-inch C365 Round Damper, w/ A80WL2 Wireless Actuator, 2-Terminal	9-inch	11-inch	22 Gage	24 Gage
10-inch C365 Round Damper, w/ A80WL2 Wireless Actuator, 2-Terminal	10-inch	12-inch	22 Gage	24 Gage
12-inch C365 Round Damper, w/ A80WL2 Wireless Actuator, 2-Terminal	12-inch	14-inch	22 Gage	24 Gage
14-inch C365 Round Damper, w/ A80WL2 Wireless Actuator, 2-Terminal	14-inch	16-inch	22 Gage	24 Gage
16-inch C365 Round Damper, w/ A80WL2 Wireless Actuator, 2-Terminal	16-inch	18-inch	20 Gage	24 Gage
18-inch C365 Round Damper, w/ A80WL2 Wireless Actuator, 2-Terminal	18-inch	20-inch	20 Gage	24 Gage
20-inch C365 Round Damper, w/ A80WL2 Wireless Actuator, 2-Terminal	20-inch	22-inch	20 Gage	24 Gage