

Area Balance Damper, Plug & Play, Round

The EvenAir® plug and play Area Balance Damper is designed for EvenAir® installations. The damper connects to the EvenAir® Wiring Hub, Model H32, using a 25 foot cable provided with the damper and operates as a modulating damper.

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



- Modulating
- 80 in-oz of torque.
- LED indicators for fully open position.
- 24VAC, 2.4VA operating, 1VA holding.
- 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

| Damper Model # | Description | Dia. | Length | Blade | Shell |
|----------------|---|--------|--------|-------|-------|
| MDP-4 | 4 in. EvenAir Round Balance Damper - Plug & Play | 4 in. | 10 in. | 20 Ga | 24 Ga |
| MDP-5 | 5 in. EvenAir Round Balance Damper - Plug & Play | 5 in. | 10 in. | 20 Ga | 24 Ga |
| MDP-6 | 6 in. EvenAir Round Balance Damper - Plug & Play | 6 in. | 10 in. | 20 Ga | 24 Ga |
| MDP-7 | 7 in. EvenAir Round Balance Damper - Plug & Play | 7 in. | 10 in. | 20 Ga | 24 Ga |
| MDP-8 | 8 in. EvenAir Round Balance Damper - Plug & Play | 8 in. | 10 in. | 20 Ga | 24 Ga |
| MDP-9 | 9 in. EvenAir Round Balance Damper - Plug & Play | 9 in. | 11 in. | 20 Ga | 24 Ga |
| MDP-10 | 10 in. EvenAir Round Balance Damper - Plug & Play | 10 in. | 12 in. | 20 Ga | 24 Ga |
| MDP-12 | 12 in. EvenAir Round Balance Damper - Plug & Play | 12 in. | 14 in. | 20 Ga | 24 Ga |
| MDP-14 | 14 in. EvenAir Round Balance Damper - Plug & Play | 14 in. | 16 in. | 20 Ga | 24 Ga |
| MDP-16 | 16 in. EvenAir Round Balance Damper - Plug & Play | 16 in. | 18 in. | 20 Ga | 24 Ga |
| MDP-18 | 18 in. EvenAir Round Balance Damper - Plug & Play | 18 in. | 20 in. | 20 Ga | 24 Ga |
| MDP-20 | 20 in. EvenAir Round Balance Damper - Plug & Play | 20 in. | 22 in. | 20 Ga | 24 Ga |

| | |
|------------------------------|--|
| Compatible Wiring Hub | <p>H32</p> <p>For gas/electric equipment, conventional or dual fuel heat pump with 3H/2C. Vent mode, humidity control, fresh air control and whole house fan control.</p> |
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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, 2.4VA operating and 1VA holding.

Actuator

AMJ

Damper Shell

24 gage, galvanized steel.

Damper Blade

Single, galvanized steel blade - no restriction on airflow.

Wiring

Plug and Play cable, provided with damper.

Temperature, Operating

-20° to 175°F.

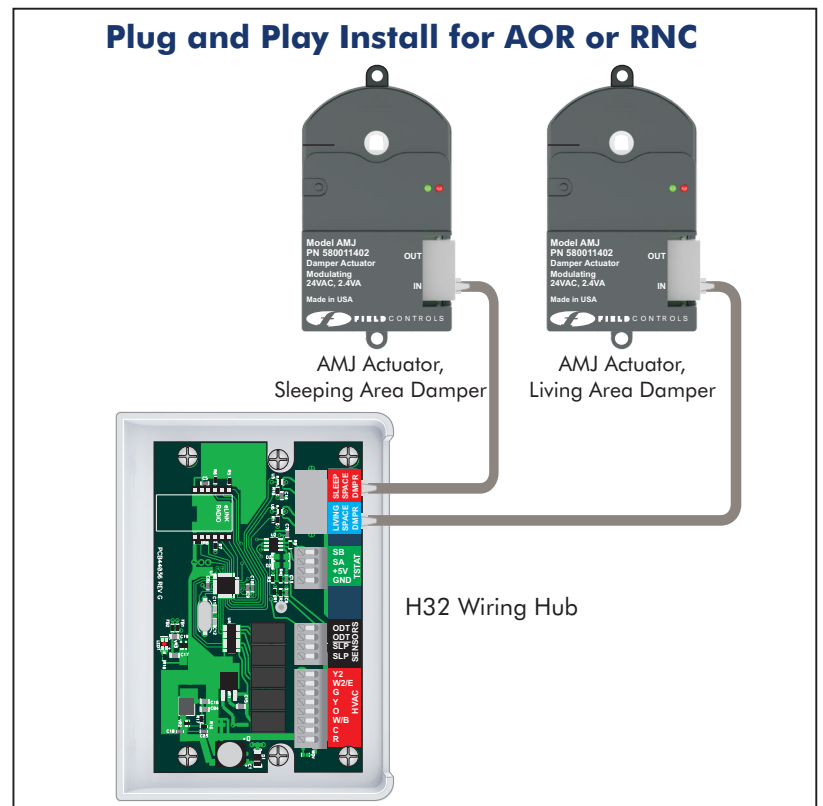
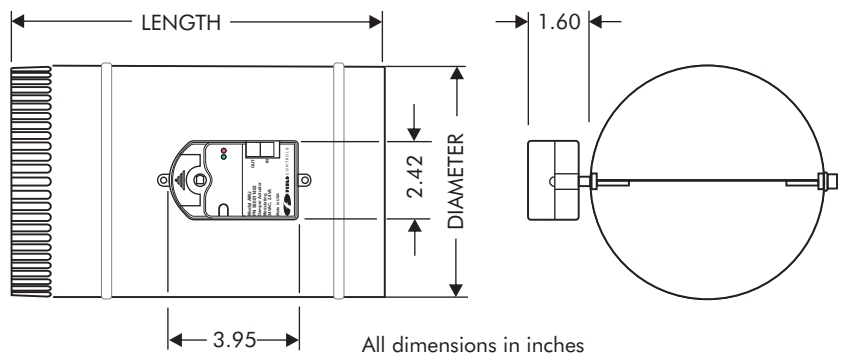
Maximum Static Pressure

1.0 inch H₂O.

Electronic Motor Control

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

| Diameter | CFM at 400 FPM | CFM at 600 FPM | CFM at 800 FPM | CFM at 1000 FPM | CFM at 1200 FPM |
|----------|----------------|----------------|----------------|-----------------|-----------------|
| 4-inch | 38 | 57 | 76 | 95 | 114 |
| 5-inch | 55 | 82 | 109 | 136 | 164 |
| 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 |



FIELD CONTROLS
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West Coast Office
Distribution/Manufacturing
Corona, CA
951.277.0304