

Application

Model RBDR-50 is a round remote powered balancing damper designed to regulate the flow of air in a HVAC system. This balancing damper is ideal for applications where it is difficult to get access to manually adjust the dampers and balance the airflow.

The 'EZ Balance' hand held remote (equipped with 9 volt power supply) operates the damper actuator when connected to the diffuser connector or wall/ceiling plate.

Ratings

Velocity

Up to 2000 fpm (10.2 m/s)

Pressure

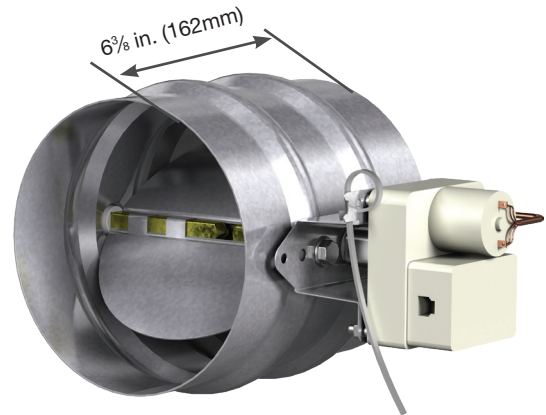
Up to 1 in. wg (0.25 kPa) - pressure differential

Temperature

Maximum: 180°F (82°C)

Construction

	Standard
Frame Material	Galvanized Steel
Frame Thickness	20 ga. (1mm)
Blade Material	Galvanized Steel
Blade Thickness	20 ga. (1mm)
Axles	3/8 in. sq. (10mm) Plated Steel
Bearings	Synthetic (acetal) Sleeve Type
Operator	9 Volt Actuator



Diameter dimension is furnished approximately 1/8 in. (3 mm) undersize.

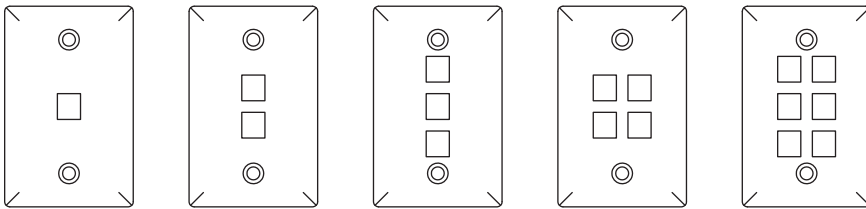
Size Limitations

Diameter	Minimum Size	Maximum Size
Inches	4	24
mm	102	610

Accessories

- Diffuser connectors
- Single gang wall plates with ports (1,2, 3, 4 or 6 port)
 - Colors: white, or stainless steel
- Round wall/ceiling mounting plate with one port
- Single gang outlet box
- 'EZ Balance' remote control device (9 volt battery and 5 foot (1524 mm) of cable included)
- 5, 14, 25 or 50 foot (1524, 4267, 7620 or 15,240 mm) plenum rated cable
- Cable connectors

Wall plates with ports



One Port

Two Ports

Three Ports

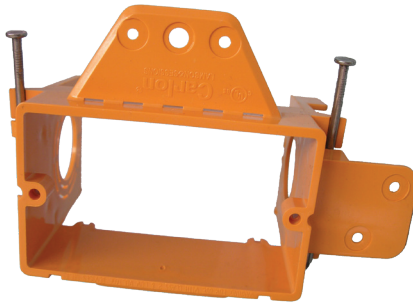
Four Ports

Six Ports

White wall plate dimension is 3¼ in. x 4¾ in. (83 mm x 121 mm).

Stainless steel wall plate dimension is 2¾ in. x 4½ in. (70 mm x 114 mm).

Single gang box

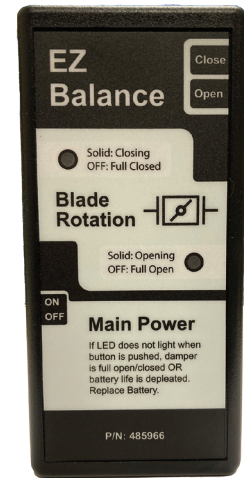


Round wall/ceiling plate

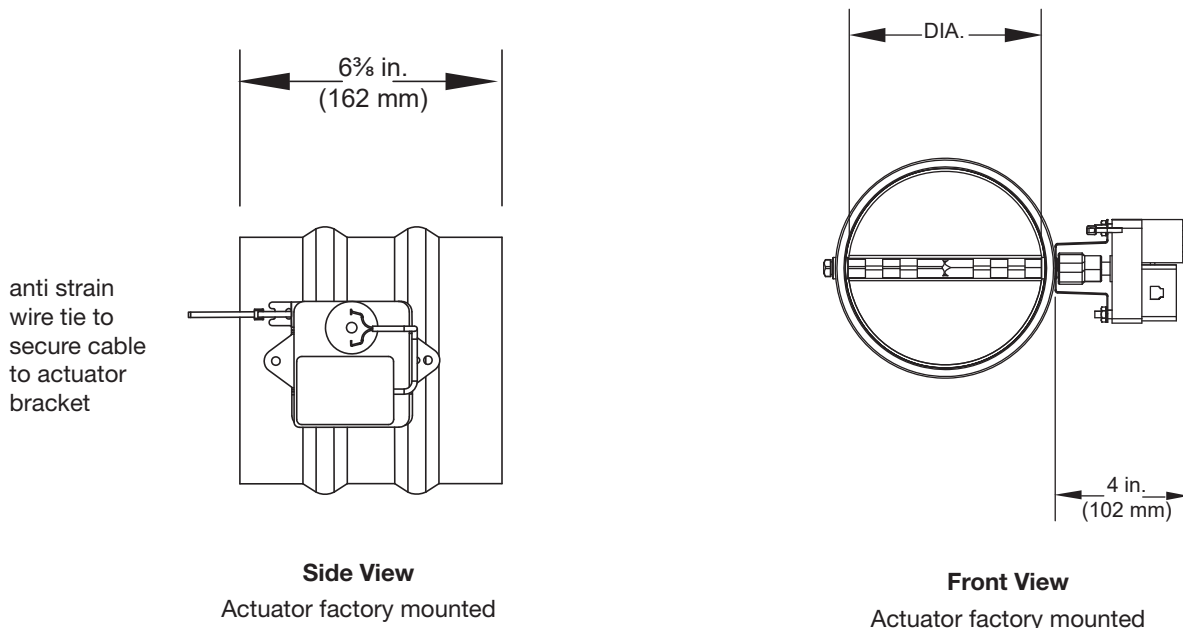


3¼ in. (83 mm) diameter

EZ Balance remote

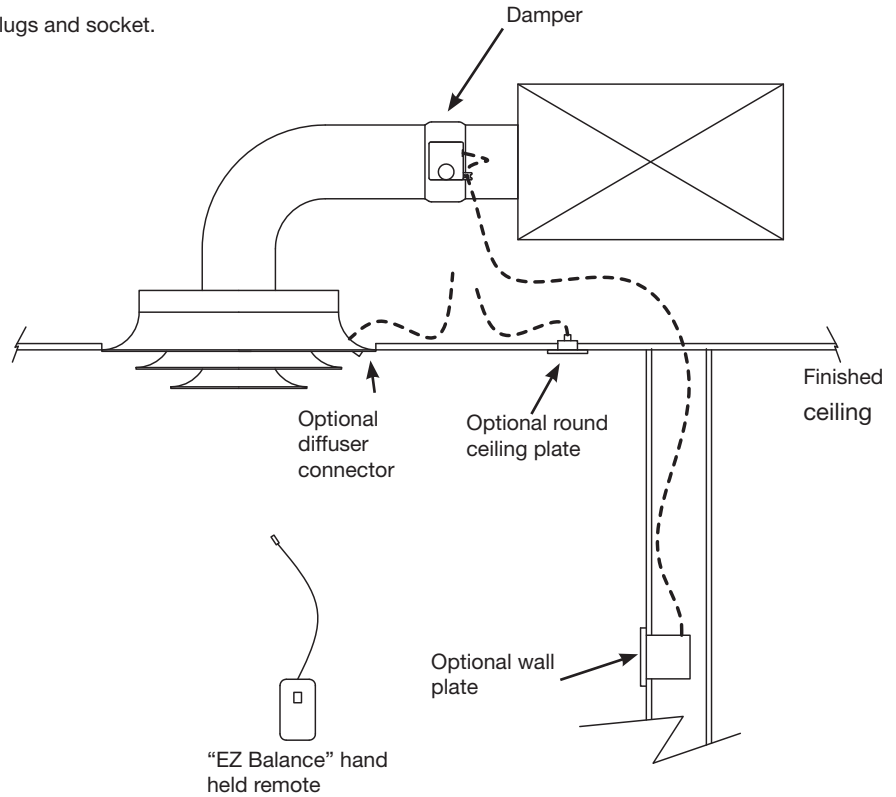


Dimensional Drawings



Note:

All wire connections are made with prewired RJ11 plugs and socket.
No additional wiring or tools required.



Note:

Utilizing any controller other than 'EZ Balance' remote to adjust the RBDR-50 damper voids the actuator warranty.

Document Links



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