

Application

Model RBD-15 is a remote balancing damper designed to regulate the flow of air in a HVAC system. They are not intended to be used in applications as a positive shut off or for automatic control. The design incorporates heavy gauge galvanized steel construction for durability and longevity.

Ratings

Velocity

Up to 2000 fpm (10.2 m/s)

Pressure

Up to 4 in. wg (1 kPa)

Temperature

Maximum: 180°F (82°C) with all actuators



*W & H dimension furnished approximately ¼ in. (6 mm) undersize.
Actuator kit is shipped loose for field assembly.

Construction

	Standard	Optional
Frame Material	Galvanized Steel	-
Frame Thickness	16 ga. (1.5 mm)	-
Frame Type	5 in. x 1 in. (127 mm x 25 mm) Channel	-
Blade Material	Galvanized steel	-
Blade Thickness	16 ga. (1.5mm)	-
Blade Type	3V	-
Blade Operation	Opposed	Parallel
Axles	Integral ½ in. (13 mm) dia.	-
Axle Bearings	Synthetic (acetal) sleeve	-
Linkage Material	Plated Steel	-
Operator	9 volt actuator (shipped as a kit for field installation)	-

Features

- Linkage concealed in jamb

Options

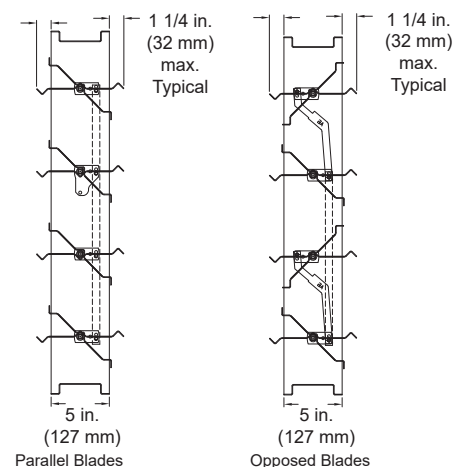
- Clean wrap

Size Limitations

W x H	Minimum Size*	Maximum Size Single Section
Inches	6 x 6	4 sq. ft.**
mm	152 x 152	.372 sq. meters

* Note: If the height is less than 9 in. (229mm) or less, the damper will have one blade.

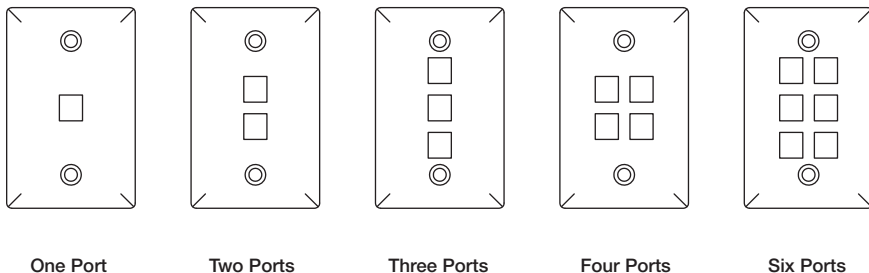
** Width and Height limited to 48 in. (1219mm).



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



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

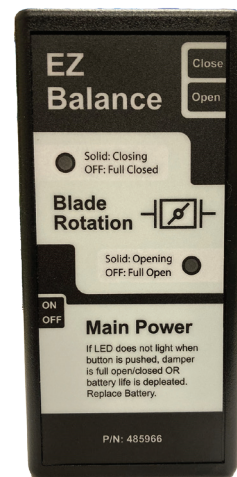


Round wall/ceiling plate



3¼ in. (83 mm) diameter

EZ Balance remote



Performance Data

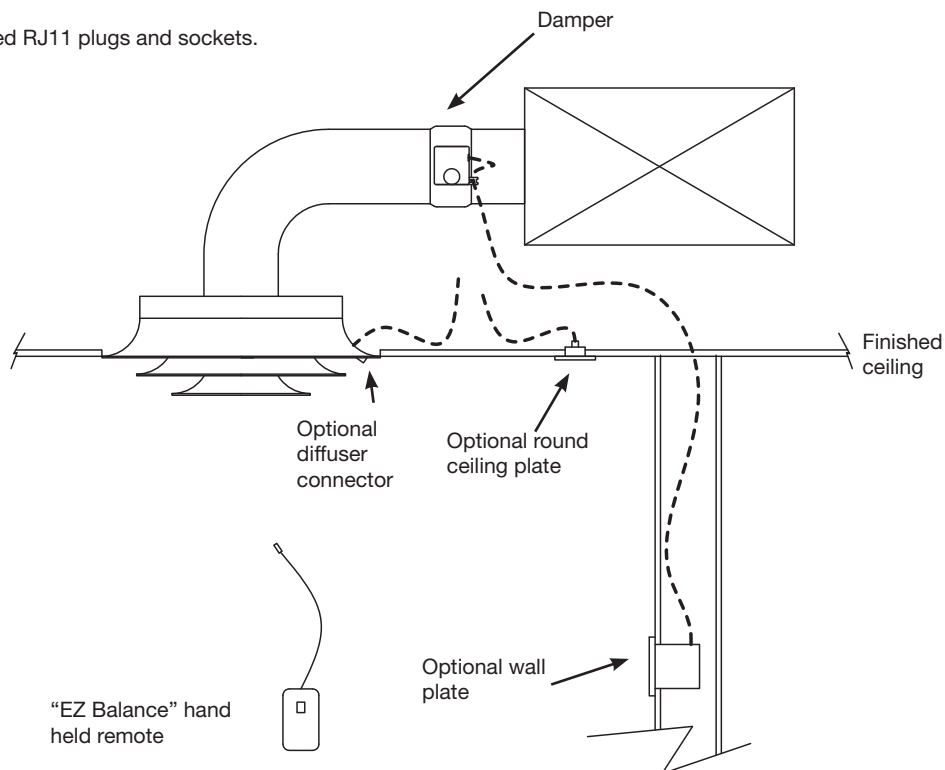
Maximum recommended system pressure and velocity ratings are conservative to prevent misapplication. Dampers are structurally capable of withstanding higher limits, however it is recommended that Greenheck be contacted for an engineering evaluation before exceeding these limits.

Temperature: Applications above 180°F (82° C) may require special considerations.

Damper Width in. (mm)	Maximum System Pressure in. wg (kPa)	Maximum System Velocity fpm (m/s)
48 (1219)	2 (.5)	2000 (10.2)
36 (914)	2.5 (.63)	
24 (610)	3 (.75)	
12 (305)	4 (1)	

Note:

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



Note: Utilizing any controller other than 'EZ Balance' remote to adjust the RBD-15 damper voids the actuator warranty.

Document Links



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