



Young Regulator Co.

7100 Krick Rd • Walton Hills, OH 44146

P: 440-232-9700 • F: 440-232-8266

www.youngregulator.com

Submit DCDR-SB – 1-10

Model DCDR-SB

*Electronic Balancing Damper
Rectangular, Single Blade No Position
Indication - 12V DC Powered Damper*

Application and Design

The Young Regulator DCDR-SB is a rectangular, single-blade balancing damper. Dampers above a hard ceiling or in any inaccessible location can be controlled with the DCDP – Electronic Balancing Damper Positioner, which opens and closes the damper.

The Positioner can be used to control any number of dampers that are at a worksite through a variety of receptacles that are offered. The Positioner is self contained and small enough to be carried in a pocket. A high capacity battery is featured for long life and is easily replaced in the field when necessary.

A DCDR-SB Electronic Balancing Damper includes the 12V DC motor. A DCDP cable up to 1,000' in length, and a termination are required for a complete assembly. Field connection between 12V DC motor and termination is fast and simple with snap on connectors installed by the factory. One DCDP Positioner is required per job.



STANDARD CONSTRUCTION	
Frame	.050 Aluminum Extrusion with Reinforcing Channels
Blade	Min. 24 ga. Galvanized Steel
Mounting Plate	5" Wide x Damper Height
Slide	Stainless Steel
Blade Bushings	Individual Synthetic
Low Leak Seals	EPDM Rubber Optional

SIZE INFORMATION	
Damper 3/16" undersized high & wide	
Frame Width	2 1/8" Wide
Max Size	12" x 10"
Min Size	3" x 3"

QUANTITY	WIDE	HIGH	NOTES

PROJECT	LOCATION
CONTRACTOR	DESIGN SPECIFIER

ACTUATOR	
Volts	12V DC
Watts	< 0.5
Amp	< 20 mA.
Timing	12 sec. 90° Rotation
Torque	16 lbs.-in. (max)

ACCESSORIES	
DCDP - Positioner	TERMINATION OPTIONS
DCD Cables	EBD-301 Concealed Ceiling Termination
	EBD-302 Concealed Wall Termination
	EBD-WALL (1, 2, 4, 6, 12 Ports)



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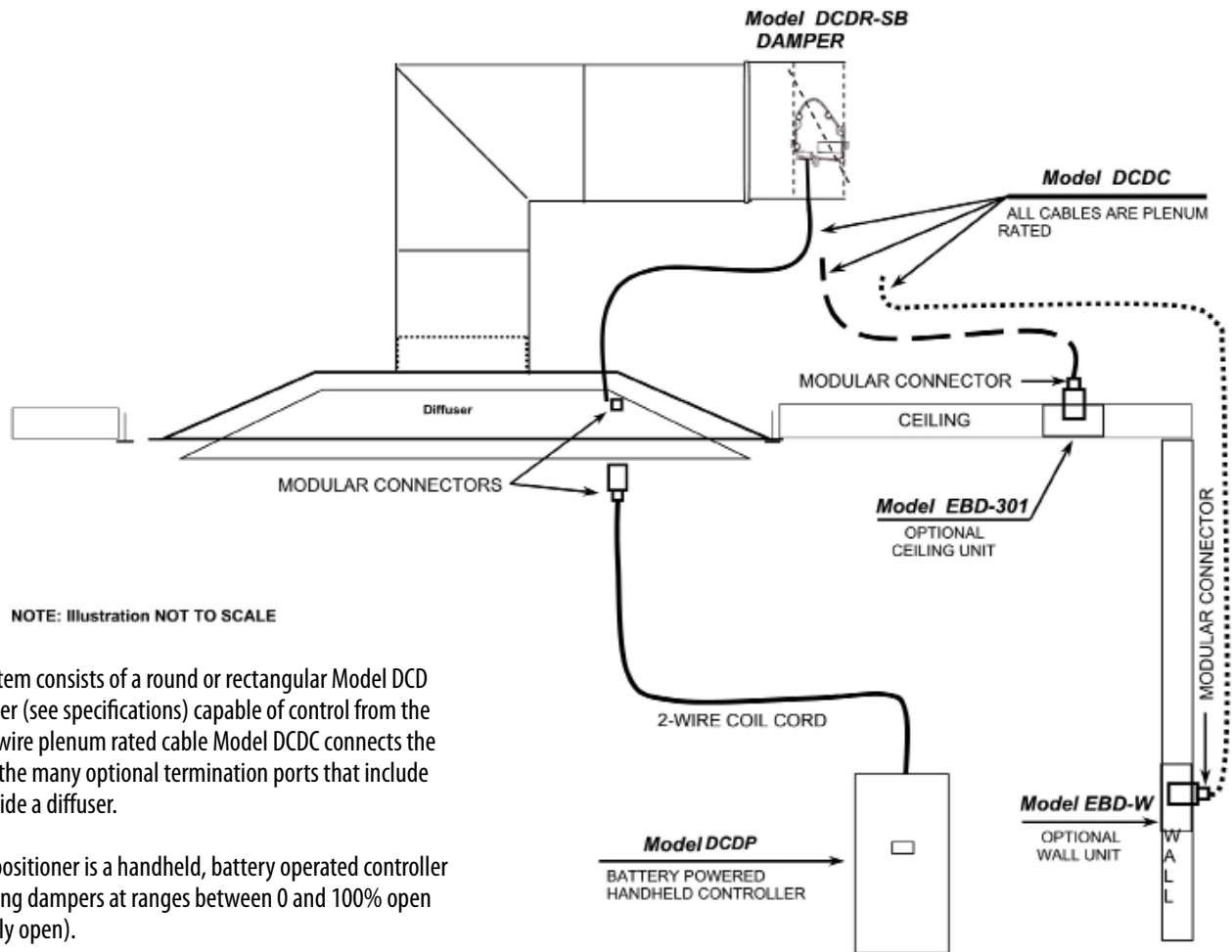
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The balancing system consists of a round or rectangular Model DCD commercial damper (see specifications) capable of control from the positioner. The 2 wire plenum rated cable Model DCDC connects the damper to one of the many optional termination ports that include wall, ceiling or inside a diffuser.

The Model DCDP positioner is a handheld, battery operated controller capable of operating dampers at ranges between 0 and 100% open (fully closed to fully open).

NOTE: See individual catalogue pages for features and recommended specifications

Operation:

The Positioner provides DC power to the DCDR-SB damper. A non-rechargeable 9v battery powers the Positioner.

Once the unit is connected to a receptacle, it is capable of operating the damper over a range of 0 – 100%.

The position of the damper blade is controlled by the use of a front mounted rocker switch, opening the damper by depressing the right side of the switch and closing the damper by depressing the left side of the switch. The switch will return to the neutral center position when released.

When finished adjusting dampers at the worksite, the positioner should be returned to the owner.

Replacement batteries are available from Young Regulator Co and many retail outlets. Dispose of used batteries in accordance with local regulatory and environmental codes.