

# Specification Sheet

## Round Electronic Balancing Damper

### BAL-XX

Used in air balancing applications

#### APPLICATION:

The BAL-XX is a round, remote powered balancing damper designed to balance air flow in a HVAC system. The BAL-XX is ideally suited for applications where balancing dampers are located in finished ceilings or simply difficult to access and adjust manually. A hand-held remote control positioner equipped with a 9 volt power supply (BAL-C) operates the damper actuator via a plug-in RJ11 cable terminating at an optional wall box, round ceiling plate or diffuser connector.

#### FEATURES:

- No field power required
- Built-in dual RJ11 connectors on actuator
- Wide range of sizes

#### DAMPER SPECIFICATIONS:

Available Sizes:

4", 5", 6", 7", 8", 10", 12", 14", 16", 18"

Damper Shell:

20 gauge galvanized steel

Actuator Bracket:

18 gauge galvanized steel

Damper Blade:

24 gauge galvanized steel

Shaft:

1/2" solid aluminum

Body Length:

8"

Bushings:

Bronze Oilite

Gasket:

Low leakage

Leakage:

Class 2 - 10 cfm/ft<sup>2</sup> @ 1" w.g. (3 cmm/m<sup>2</sup> @ .25 kPa)

Maximum Static Pressure:

2" W.C.

Maximum System Velocity:

2,000 FPM

Actuator:

Factory mounted, 9 volt, gear driven, fail in place motor with dual RJ11

Warranty

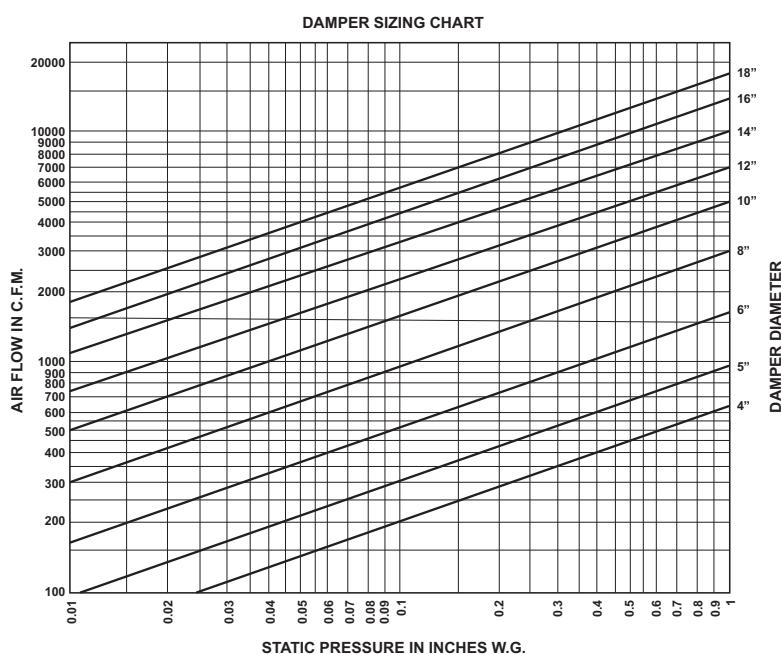
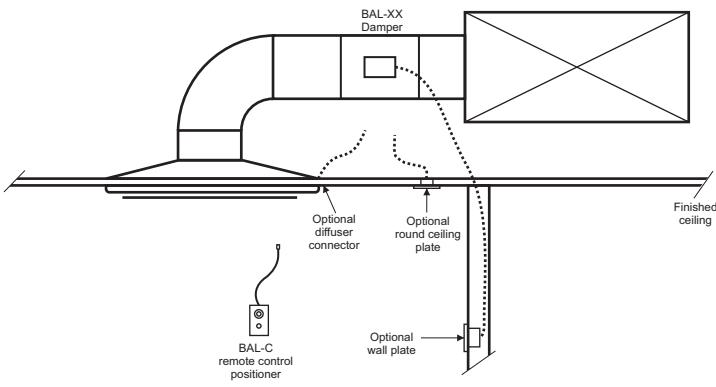
connectors

One Year

BAL-XX



BAL-C  
REMOTE CONTROL  
POSITIONER



# ACCESSORIES

## BAL-C REMOTE CONTROL POSITIONER

Hand-held remote control positioner equipped with 9 volt power supply. Operates the damper actuator via a RJ11 cable that plugs into a wall box, round ceiling plate or diffuser connector. Controller has a calibrated damper position dial and power activation button and battery status LED.



BAL-C

## BAL-PORT

Feed-through in-line coupler modular jack. (6-position 6-conductor) Connects two modular cords; Pin 1 to Pin 1. Compatible with RJ11 jacks and plugs. Can also be used as a diffuser connector or with wall plates.



BAL-PORT

## BAL-PORT-PARA

The BAL-PORT-PARA must be used whenever paralleling BAL-XX or BAL-XXXX dampers together. A BAL-W line cord would be plugged into the auxiliary port of the main actuator and into the BAL-PORT-PARA. Another BAL-W line cord would be plugged into the other end of the BAL-PORT-PARA and into the next actuator. This provides synchronized positioning of both actuators. Up to four dampers can be wired in parallel.



BAL-PORT-PARA

## BAL-RP ROUND RJ11 CEILING TILE ANCHORING SYSTEM

- Used to plug-in BAL-C hand held remote control positioner for below ceiling adjustment of electronic balancing damper
- High impact injection molded components with feed-through, in-line RJ11 coupler included
- Twist and turn access cap protects and conceals RJ11 port
- Easy to install in existing ceiling tile
- Adjustable mounting tabs lock in place when securing to back of tile



BAL-RP

## BAL-W SILVER SATIN LINE CORD

Made of the finest PVC material. Cords are RoHS approved and come with RJ11 connectors.

Lengths:

- BAL-W7 - 7'
- BAL-W14 - 14'
- BAL-W25 - 25'



BAL-W

## WHITE PLASTIC WALL PLATES (BAL-PP)

Configured to fit single or standard double gang outlet box. Rugged and durable construction. Used with BAL-PORT modular snap-in connectors. UL Listed



EXAMPLE OF DOUBLE GANG JUNCTION BOX (BY OTHERS)

## STAINLESS STEEL WALL PLATES (BAL-SP)

Configured to fit standard single gang outlet box. Offers a flush face surface. Used with BAL-PORT modular snap-in connectors.



## SUGGESTED SPECIFICATION:

Furnish and install as shown on plans or in accordance with schedules, remote control operated balancing dampers BAL-XX round or BAL-XXX rectangular as manufactured by Specified Controls, LLC, Indianapolis, IN 46237. (www.specifiedcontrols.com) Damper actuators shall be powered by a 9 volt battery operated remote control positioner (BAL-C) that plugs into a RJ11 connector located on a ceiling plate, wall box or diffuser. Refer to accessory options as specified and available from Specified Controls, LLC.