

Used in air balancing applications

# BAL-XX

### APPLICATION:

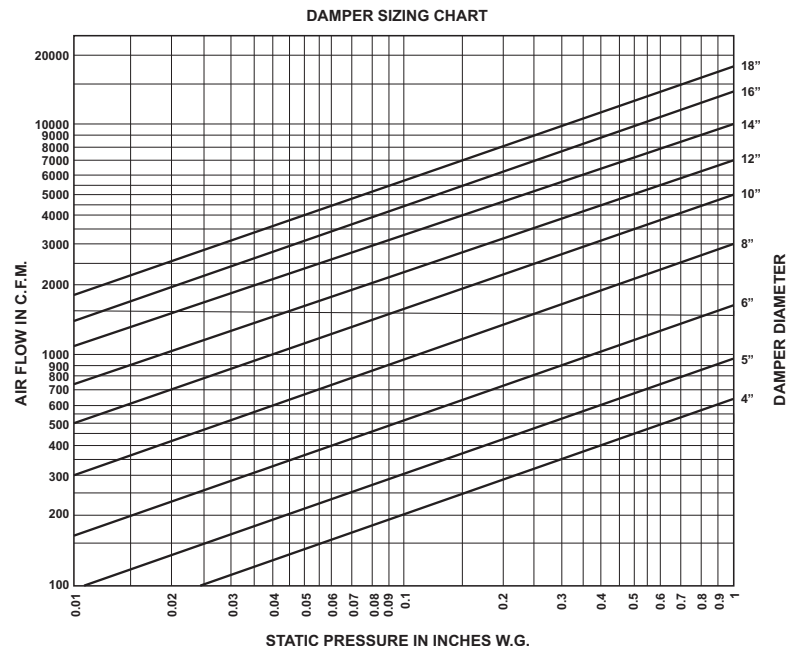
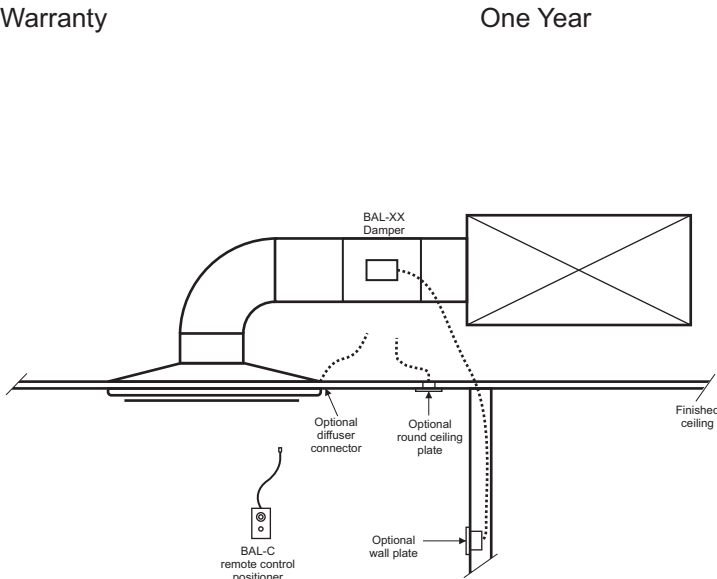
The BAL-XX is a round, remote powered balancing damper designed to balance air flow in a HVAC system. The BAL-XX is ideally suited for applications where balancing dampers are located in finished ceilings or simply difficult to access and adjust manually. A hand-held remote control positioner equipped 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 connectors
Warranty	One Year



# 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 LINE CORD

BAL-W Line Cords are RoHS approved and come with RJ11 connectors. Available in plenum-rated or non-plenum rated, with sizes up to 200ft. Contact iO HVAC Controls for more information.



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



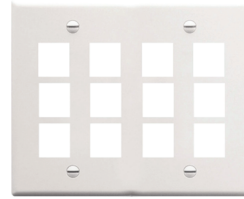
BAL-PP1

BAL-PP2

BAL-PP3

BAL-PP4

BAL-PP6



BAL-PP12



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.



BAL-SP1

BAL-SP2

BAL-SP3

BAL-SP4

BAL-SP6

## 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.



www.iohvaccontrols.com  
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