

Installation Instructions for RBD actuator kit

These instructions apply to the external field installation of an actuator kit for RBD-10 dampers..

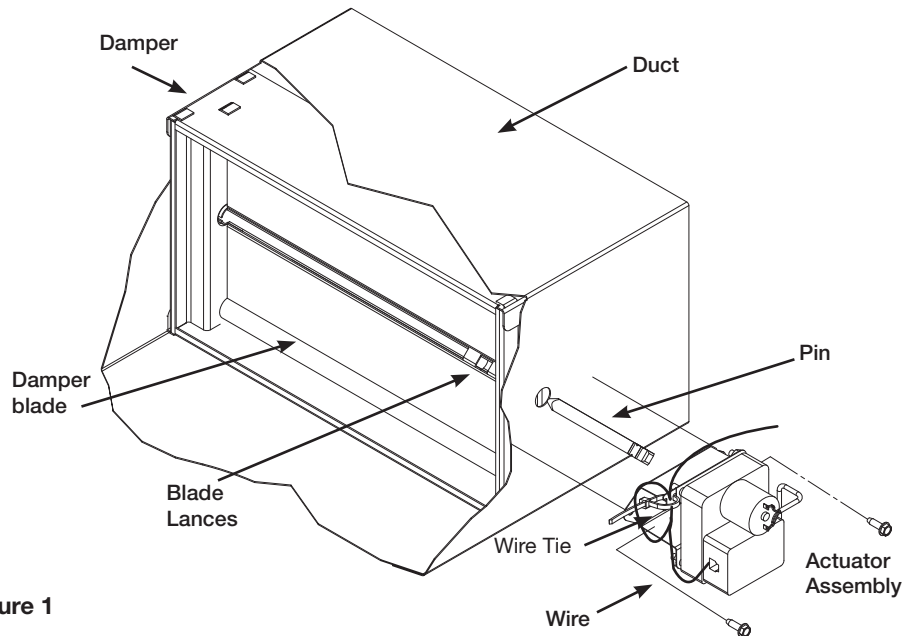


Figure 1

The RBD-10 dampers are supplied with an actuator kit that must be field installed as follows:

- 1) Install the RBD-10 damper into the ductwork with the lanced end of the blade positioned to the side of the duct where the actuator is to be located (see Figure 1).
- 2) Drill a minimum 9/16 in. (14mm) diameter hole that lines up with the center pivot of the damper blade.
- 3) Insert the pointed end of the pin through the hole and into the blade lances. Pound pin into the blade lances until the end of the pin is 1/2 in. (13mm) outside of the duct surface while the blade is centered in the damper frame.
- 4) Install the actuator by aligning the coupler over the end of the square pin and sliding the actuator assembly onto the pin until the bracket is in contact with the duct surface.
- 5) Check the blade clearance to be sure that the blade can move side to side in the frame and it is not pressed against the opposite side of the damper frame. If the blade is pressed against the opposite side, the pin may need to be pressed a little further into the blade.
- 6) Connect the "EZ Balance" remote to the actuator. While holding the actuator, press and hold the open button until the full open light flashes. Release the button.
- 7) Rotate the actuator assembly and blade until the blade is in the full open position. Using the two supplied screws, secure the actuator bracket to the duct. Recheck the blade clearance.
- 8) All wire connections from the wall or ceiling jack to the damper actuator must be secured to the building structure in such a way as to prevent strain on the wire connections (for example: use wire ties to secure a wire loop at each connection and intermittently between the connections).
- 9) The actuator mounting bracket has a factory installed wire tie for the purpose of providing strain relief at the actuator. Thread the wire through the wire tie, loop around and back through the wire tie before connecting to the actuator box. Tighten the wire tie leaving a short loop at the actuator.

After the damper and wiring is installed, operation of the damper and wiring circuit must be visually verified by connecting the "EZ Balance" remote to the wall jack and power up the unit. Using the switches on the "EZ Balance" remote, run the damper through a complete cycle from full close to full open and reverse back to closed position. Document that proper operation has been verified.