

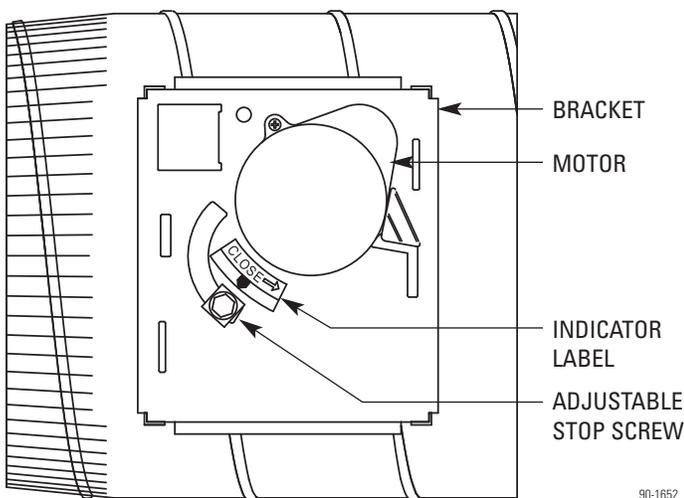
Round Damper Installation Instructions

⚠ CAUTION

1. Sharp edges may cause serious injury from cuts. Use care when cutting openings and handling duct work.
2. A zone control system may not control temperature properly unless the HVAC system is correctly sized and balanced.
3. Install dampers in supply ducts only, and as close to the heating and cooling equipment as possible.
4. Do not force damper blades closed by hand, as damage may occur.

The position of the damper blade, as supplied, is in the open position. The damper is power-closed/spring-opened, and must be wired to the zone control panel damper terminals that supply the required 12 VA at 24 VAC. (See zone control panel instructions for specific wiring details.)

APRILAIRE ROUND DAMPER



90-1652

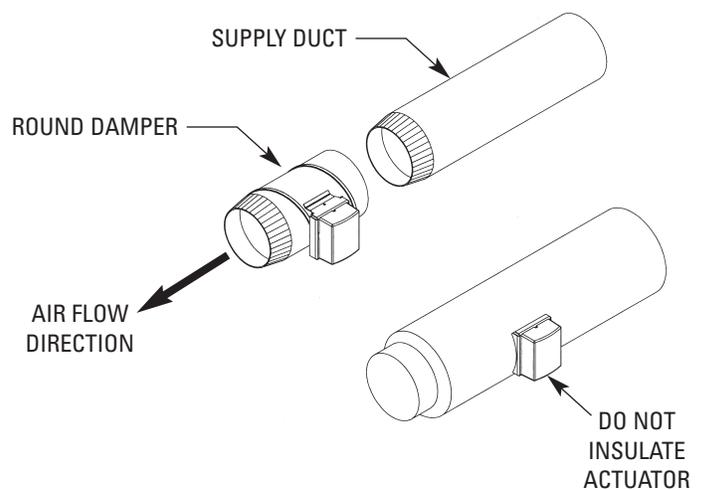
Preset Adjustable Stop Position
(shown with plastic cover removed)

ADJUSTABLE STOP

Each Aprilaire Damper has an adjustable stop screw whose position determines the amount of rotation the damper blades make when energized. The stop screw is factory preset to a position that allows the correct amount of predetermined bypass air to go through the damper. The **Preset Adjustable Stop Position** illustration above shows the correct position. If the stop screw is not set at the position indicated, loosen it, slide it directly under the dark band on the indicator label, and tighten the screw in place. To completely close the blades, loosen the stop screw and move it in the direction indicated by the black arrow on the indicator label.

INSTALLATION PROCEDURE

- Step 1:** Install damper with crimped end downstream.
- Step 2:** Slide damper over end of crimped duct and secure to duct with 1/2 inch long sheet metal screws (not included).
- Step 3:** Insulate damper the same as ducts. **Do not insulate the actuator.**
- NOTE:** Support all duct work in accordance with local code or SMACNA standards.



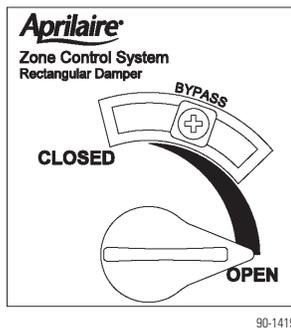
Rectangular Damper Installation Instructions

⚠ CAUTION

1. Sharp edges may cause serious injury from cuts. Use care when cutting openings and handling duct work.
2. A zone control system may not control temperature properly unless the HVAC system is correctly sized and balanced.
3. Install dampers in supply ducts only, and as close to the heating and cooling equipment as possible.

The position of the damper blade, as supplied, is in the open position. The damper is power-closed/spring-opened, and must be wired to the zone control panel damper terminals that supply the required 12 VA at 24 VAC. (See zone control panel installation instructions for specific wiring details.)

APRILAIRE RECTANGULAR DAMPER



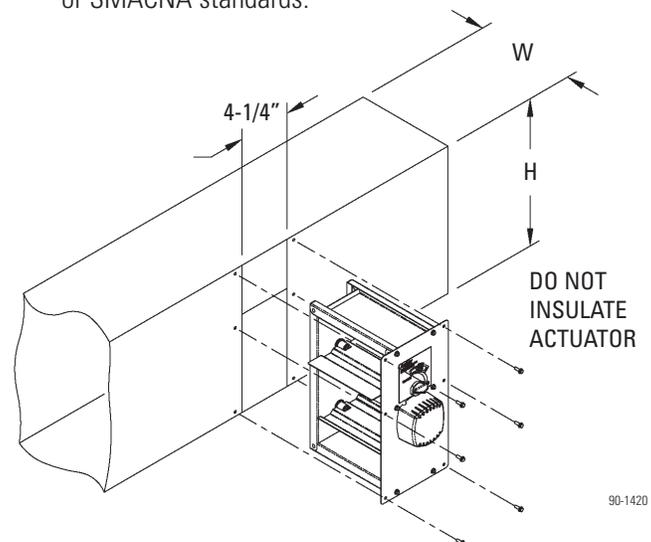
Preset Adjustable Stop Position

ADJUSTABLE STOP

Each Aprilaire Damper has an adjustable stop screw whose position determines the amount of rotation the damper blades make when energized. The stop screw is factory preset to a position that allows the correct amount of predetermined bypass air to go through the damper. To adjust the factory preset bypass setting loosen the stop screw, adjust accordingly and tighten the screw in place. To completely close the blades, loosen the stop screw and move it to the closed position.

INSTALLATION PROCEDURE

- Step 1:** Cut a 4-1/4" slot in the duct wall. Locate slot in side of duct for side-mounted dampers, and in the bottom of the duct for bottom-mounted dampers.
 - Step 2:** Gently rotate the damper blade(s), to fit into the cut slot then slide the damper into the slot until the faceplate meets the duct wall.
 - Step 3:** Secure faceplate to duct using 1/2 inch long sheet metal screws (not included).
 - Step 4:** Insulate the same as ducts. **Do not insulate actuator.**
- NOTE:** Support all duct work in accordance with local code or SMACNA standards.



Aprilaire

P.O. Box 1467 • Madison, WI 53701-1467 • Phone: 800/334-6011 • Fax: 608/257-4357 • www.aprilairepartners.com