INSTALLATION INSTRUCTIONS

WD-Fuser
Modulating Supply Air Diffuser

DESCRIPTION

The **WD-Fuser** is a combination zone damper with a communicating damper board and diffuser. It is designed to be installed in a 2'x2' T-bar ceiling frame. The supply duct can be attached to the top or side of the WD-Fuser.

INSTALLATION

WD-Fuser Unpacking and Installation instructions
1. Do not remove cardboard from between blade and cone until after installation.
2. Grab both sides of cone and lift out of box gently and set down on the inlet box.
3. Lift by the handles on the inlet box, turn over and set down gently on cone on a flat surface.
4. Remove Collar plates (2 screws).
5. Reattach Collar Plate with Collar facing up using 12 screws; additional screws are enclosed.

Collar Placement:
The collar plate is mounted on the top of the inlet box. If you prefer, you can install the collar plate on the side. To do this, you perform the following;
1. Unscrew and remove the Collar Plate from the top of the inlet box.
2. Unscrew the Cover Plate from the side of the inlet box.
3. Place the removed cover plate on the top opening of the inlet box. Adjust the plate so the flange is on the open side, pointing down, and attach with sheet metal screws.
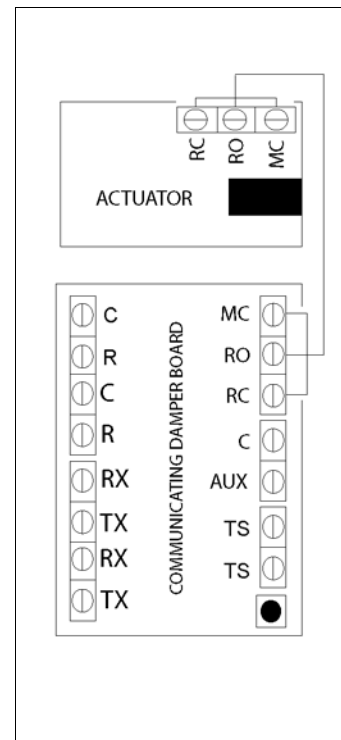
WD-Fuser Installation Instructions:
1. If replacing an existing diffuser, disconnect duct and remove diffuser.
2. Make sure T-Bar is reinforced sufficiently to support WD-Fuser.
3. Lift the WD-Fuser by the handles located on the side and place on T-Bar. **Never carry, hold or handle the WD-Fuser by the cone.** This could bend the cone causing it to not seal properly.
4. Attach safety support wires to the WD-Fuser handles to prevent falling if the T-Bar should fail.
5. Connect duct to the WD-Fuser.
6. Wire WD-Fuser according to instructions supplied with control system you are using.
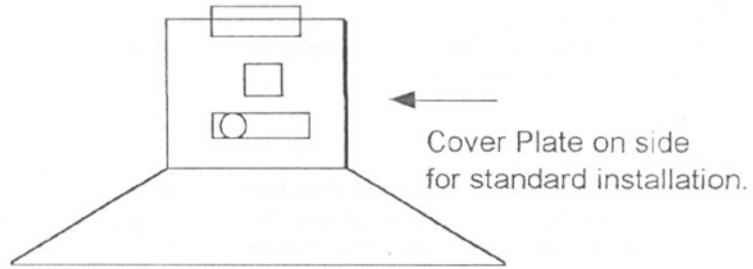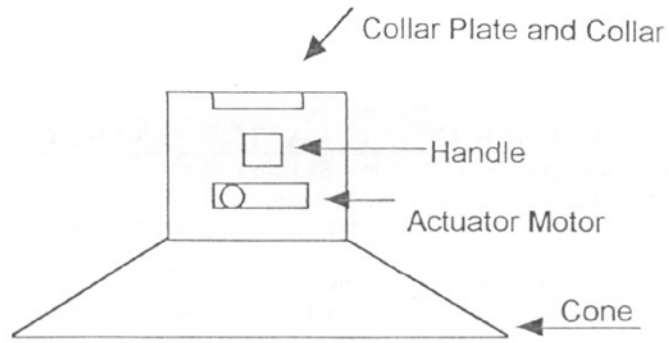7. Remove cardboard from between blade and cone.
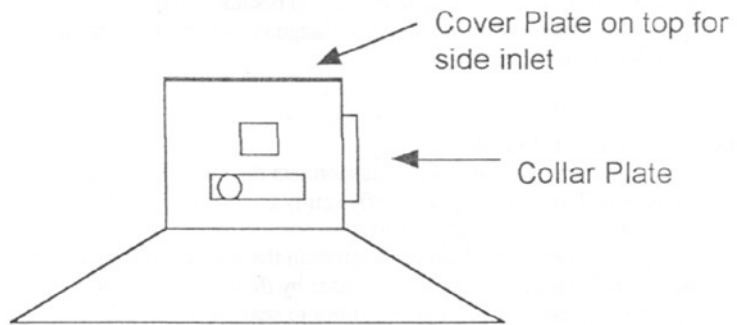
See reverse for diagrams

BASIC WIRING DIAGRAMS

WD-Fuser to Communicating Damper Board

Note: Compatible only with GEN III VVT and SubZone wireless systems.

Collar Plate and Collar

Handle

Actuator Motor

Cone

Cover Plate on side
for standard installation.

Top Inlet

Cover Plate on top for
side inlet

Collar Plate

Side Inlet

Tile

T-Bar Mount

Typical T-Bar

D-FUSER CONE