

INSTALLATION INSTRUCTIONS



STMPD Round Medium Pressure Damper

DESCRIPTION

The **STMPD** is a 24vac power open, power close, medium pressure round damper. The STMPD series dampers are designed for supply applications. The STMPD is controlled by the modulating zone thermostat.

The 24vac actuator is the 101AHDM direct coupled, power open, power close, with adjustable open/close stops.

The STMPD dampers are available from 6" – 18" in diameter, with a maximum pressure differential rating of 1.75" W.C. The 6" – 10" damper shells are fabricated from 22 gauge steel; the 12" – 18" shells from 20 gauge steel. Each shell features two rolled beads, which provide maximum structural integrity. The discharge end is crimped for ease of installation. Positive air seal is accomplished through use of an elliptical damper blade bolted to the hexagonal damper shaft.

INSTALLATION INSTRUCTIONS

Supply Application

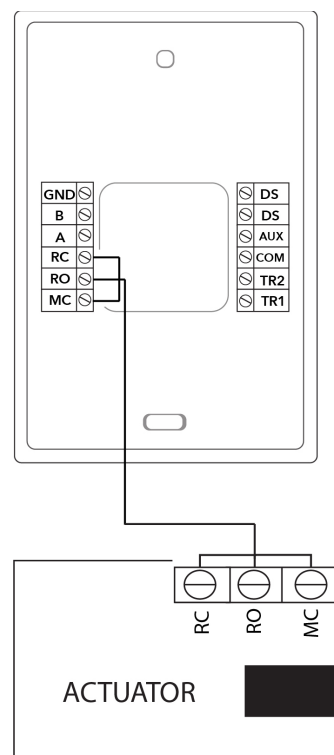
1. Do not exceed 700FPM in a register/diffuser branch duct.
2. Damper should be installed 3' from supply register or diffuser. Flex duct should be used from the outlet of the damper to register or diffuser for sound attenuation.
3. When damper is installed in non-conditioned air space, the entire damper must be insulated with min 1" wrap insulation. Insulation should be trimmed around actuator motor.
4. Minimum wire size to actuator is 18 AWG wire. See Installation manual for the system being used.
5. Multiple dampers can be slaved. See wiring diagram.
6. Minimum open and close positioning is field adjustable on the actuator. The damper is shipped from the factory to close 100%.

MIN - MAX STOP ADJUSTMENTS:

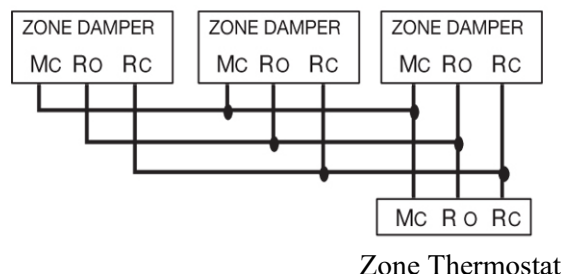
The adjustable stops are needed when there is a requirement to keep the damper from closing or opening 100%. The STMPD dampers are shipped to open and close 100%. To adjust the damper for minimum open or close positions, perform the following on the actuator motor:

1. Loosen the screw on the open or close end stop with a #2 Phillips screwdriver (do not remove the screw).
2. Move the open or close stop to the desired position, and re-tighten the Phillips head screw.
3. Test operation.

BASIC WIRING DIAGRAMS



3 Slaved STMPD Dampers to Thermostat



Rev 10/2/20