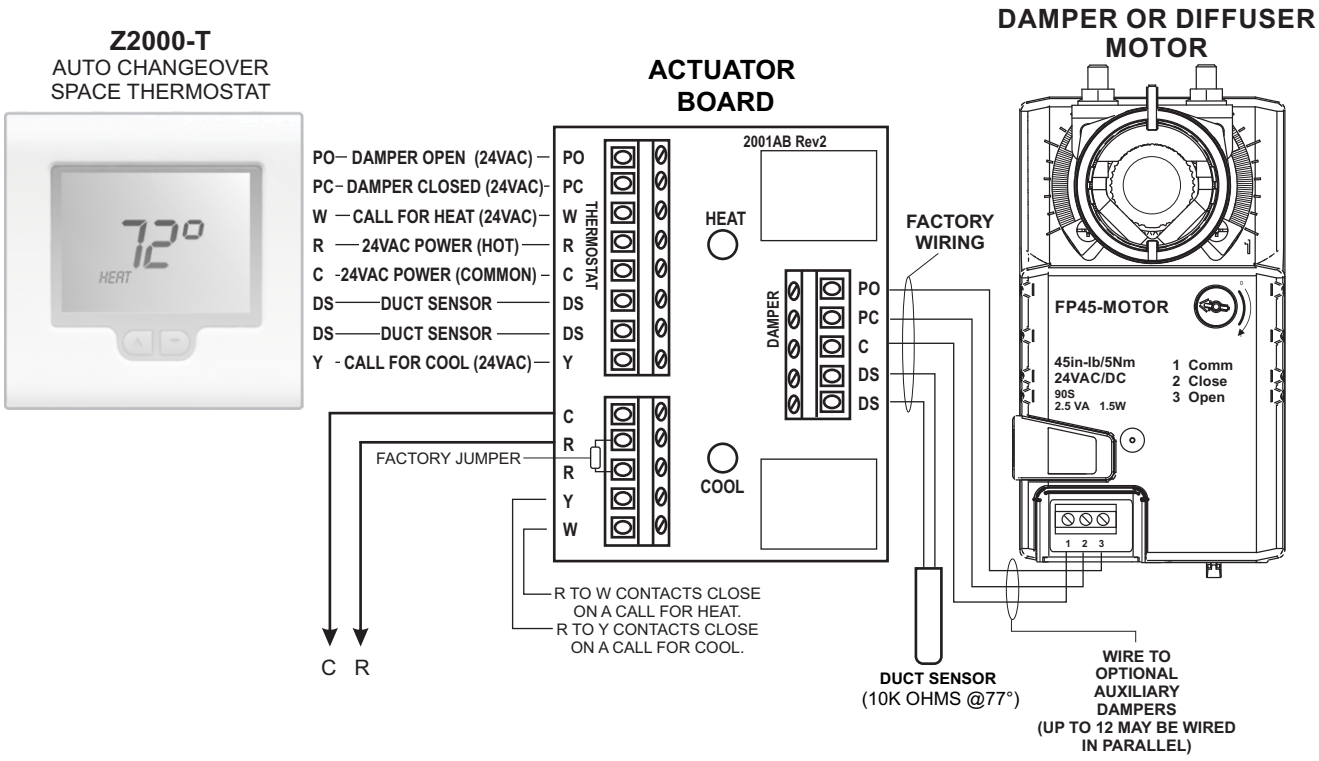
ZONE ONE™ MODULATING
STAND-ALONE ZONE DAMPER ASSEMBLY



SEQUENCE OF OPERATION:
The automatic changeover duct sensor (located on the Zone One™ damper) senses whether there is warm air or cool air in the duct. If the Z2000-T thermostat is calling for cooling and the duct sensor determines there is cool air in the duct, the damper will modulate open. If the Z2000-T thermostat is calling for heating and the duct sensor determines there is warm air in the duct, the damper will modulate open.

The green LED located on the actuator board indicates when the space temperature is 1.5° F above the thermostat setpoint and the thermostat is calling for cooling. The red LED located on the actuator board indicates when the space temperature is 1.5 below the thermostat setpoint and the thermostat is calling for heating.

APPLICATION AND INSTALLATION NOTES:
Use standard 18 gauge thermostat wire.
A 24VAC 40VA transformer will power a single Zone One™ system and up to 20 actuators.
The actuator board is located on the side of the actuator.
If the duct temperature is above 72° F, the zone damper will open on a call for heating.
If the duct temperature is below 72° F, the zone damper will open on a call for cooling.
If a single Zone One™ system or multiple Zone One™ systems are used to zone more than 30% of the total CFM served by the HVAC system, a bypass damper may be required to maintain constant system static pressure.
The HVAC system should be controlled by its own space thermostat or discharge air controller. If a space thermostat is used to control the HVAC system, it must never be located in an area served by a Zone One™.
A suction line freeze stat (FS) should be installed when zoning more than 30% of the total CFM served by the HVAC system to protect the equipment in the event the suction line temperature drops too low (Wire in series with the cooling control circuit).

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