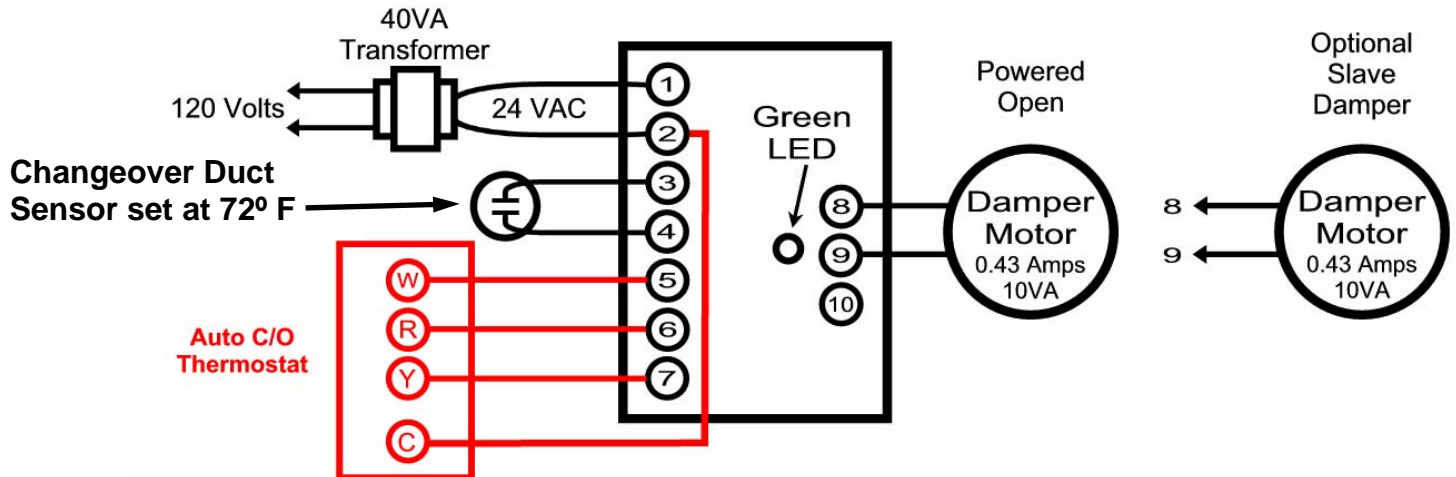


Zone One™

Two Position Stand-Alone Zone Damper Assembly



How Zone One™ Works

The automatic changeover duct sensor (located on the **Zone One™** damper) senses whether there is warm air or cool air in the branch supply duct. If the **Zone One™** thermostat is calling for cooling and the duct sensor determined there is cool air in the duct, the damper will open; otherwise, the damper will remain closed. If the **Zone One™** thermostat is calling for heating and the duct sensor determined there is warm air in the duct, the damper will open; otherwise, the damper will remain closed.

The green LED located on the printed circuit board indicates when the damper is in the open position.

Application And Installation Notes

If you are using **Zone One™** dampers to zone more than 20% of the area served by the HVAC unit, a bypass damper may be required to maintain constant system static pressure.

The HVAC unit should be controlled by its own space thermostat or discharge air controller. When a space thermostat is used to control the HVAC unit, it is important that at least 30% of the system load be controlled by the space thermostat and located in an area **without** a **Zone One™** damper.

A suction line freeze stat (FS-38) should be installed to protect the equipment in the event the suction line temperature drops too low (wire in series with cooling control circuit). If the freeze stat is to be installed on a roof top unit, it must be located inside the unit.

The air system must be properly balanced before putting the HVAC equipment in operation.

Zone One™ dampers are designed to work only with low pressure systems (1" or less of static pressure). Contact Jackson Systems if higher static pressures will be present.

Jackson
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