



Model 2010 & 2050
THERMOSTATIC CONTROL

SUBMITTAL DATA

APPLICATION

The 2010 and 2050 dampers are used with a single pole, double throw zone thermostat (such as the Young T-312 or T-641, ordered separately) in heat / cool systems to maintain room temperature. They are used independent of a zone control panel to solve isolated over heating and / or over cooling problems. The automatic changeover relay consists of a duct sensor and relay board. Duct sensor is factory installed on damper to be positioned upstream to sense supply air temperature. Supply duct air temperatures greater than 70 degrees will direct the relay board to put the damper in the heating mode, so that damper will close when room temperature is greater than the wall thermostat set point. Supply duct air temperatures less than 70 degrees will direct the relay board to put the damper in the cooling mode, so that damper will open when room temperature is greater than the wall thermostat set point.

CONSTRUCTION

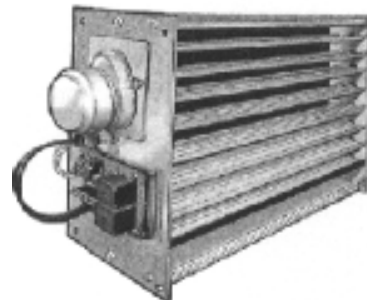
ROUND
 Frame: 20 gauge spiral galvanized steel
 Blade: 20 gauge galvanized "V" blade
 Bushings: oil impregnated bronze
 Shaft: 1/2" diameter steel, extended 3"

RECTANGULAR
 Frame and Blade .050 Aluminum Channel with Stiffening Beads
 Slide Stainless Steel
 Bushings Teflon
 Mounting Plate 18 ga. Galvanized Steel for Slip in installation



ACTUATOR

- Damper is powered open - spring closed with a 24V 6VA motor with special windings and heavy-duty gearing. Ccrosspin drive on the shaft provides direct drive
- If the green LED light is lit, the damper will be in the open position.
- Up to two damper motors can be controlled from a single thermostat. A 40 VA transformer is recommended to power one or two damper motors.
- The HVAC unit must be controlled by its own space thermostat or discharge controller.
- A zone damper must not control the area or zone in which the HVAC unit space thermostat is located.



SIZE INFORMATION (w x h)

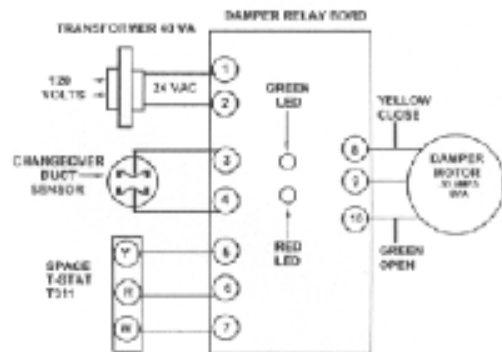
RECTANGULAR

Minimum Size: 4" x 4"
Maximum Size: 24" x 14"
Frame: 2 1/8" wide

ROUND

Minimum Size: 4"
Maximum Size: 16"
Shell Length: 10" or diameter, whichever is greater

Dampers are undersized by 1/8"



QUANTITY	DIAMETER	
PROJECT		LOCATION
CONTRACTOR		DESIGN SPECIFIER