



Controlling Your Comfort Room by Room

The Modulating Damper Motor, Model MDM, is a 24 Volt AC, Power Open-Power Closed actuator that is available on the ZDM, RDM and RRM dampers. The MDM features adjustable minimum and maximum position settings, Light Emitting Diode Indicators for both Open and Closed Position and easy on/off direct couple design.

The MDM motor's high torque output is rated at 250 in/ounces. The low current draw is 0.17A and up to 6 dampers can be powered from a 40VA transformer.

The three (3) screw terminal strip requires a 24VAC input to power the damper open (M1-M4) and 24VAC to power the damper closed (M1-M6). The MDM also features built-in end switches that cut the power to motor once the damper reaches the open and closed position. These switches eliminate power from the motor where many other motors stall, insuring longer life.

This powerful motor allows the damper to handle higher static pressures and can be modulated using the SPS or SPC Static Pressure Switch or similar type control.

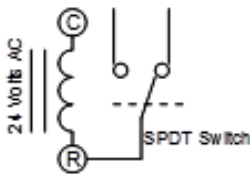
# Modulating Damper Motor Model MDM



## WIRING DIAGRAM



— COMMON  
— OPEN  
— CLOSED



## SPECIFICATIONS

Voltage – Nominal 24VAC 50/60Hz

Current – 0.17A Operating, 0.028A non-operating, 4VA

Torque - 250 in/oz

Speed - 8 Seconds

## Adjustable Minimum Damper Position

To set the adjustable Minimum Damper Position Stop, power the damper to the OPEN position. Remove the cover from the motor by loosening the two side screws on the motor cover. Remove the cover and loosen the stop screw on the adjustable cam on top of the motor as shown on left.



Move the adjustable cam to the right to adjust the minimum position. Make sure to re-tighten the cam locking screw and power damper open and close in order to check position setting.