

# SUBMITTAL DATA

HYDROMAXX

**MODEL NO** MP12M PLUG-IN DAMPER MOTOR ACTUATOR

**JOB NAME:** ..... **LOCATION:** ..... **DATE:** .....  
**PURCHASER:** ..... **ENGINEER:** .....  
**SUBMITTED TO:** ..... **FOR:** ..... **REVIEW ( )** **APPROVAL ( )**

The MP12M is the plug-in motor actuator on all of the EZ Wire Plug-In Damper Systems.

The MP12M is a powerful, low current draw, 12 Volt DC power open, power closed motor actuator. Each zone of our control panels are capable of powering up to ten (10) MP12Ms. The MP12M wires with standard modular RJ11 jacks and 4 conductor telephone cable, making wiring literally a snap!

This motor also features a single, two-color LED to indicate the motor actuator position. GREEN indicates the damper is OPEN and RED indicates the damper is CLOSED. The LED is not illuminated during cycling. The motor cycles between open and closed in less than 5 seconds.

The MP12M motor has been life tested to over 1,000,000 cycles to provide long life. If necessary, even replacing the motor is a simple less than 1 minute change. Simply loosen the setscrew holding the motor to the damper and slide the motor off the damper shaft. Then place a new one on and secure with the setscrew.



### **Minimum Position Adjustment**

*Simply open the cover to minimum position setting. With a screwdriver, loosen the setscrew and adjust your setting to desired position.*



### **Specifications**

**Electrical Rating:** .100 amps  
**Motor Voltage:** 12 Volts DC 50/60Hz  
**Work Range:** 90°, 3:00 position (open), 6:00 position (closed)  
**Torque Rating:** 7.0 in/lbs, 112.0 in/oz, (0.79Nm) @ 12vdc  
**Temperature Limits:** -13°F to 150°F (Ambient)  
**Connection:** RJ11, 2 Ports  
**Output:** Direct Drive Gear, Shaft, .224" x .224"

NOTE: Damper minimum position adjustment does not indicate damper position. The MP12M is used with ZDSP, ZDBP, RDP, RTP, RRP and OZD dampers and replaces the MP12.

The above specifications are nominal and conform to generally acceptable industry standards. HYDROMAXX is not responsible for damages resulting from misapplication or misuse of its products.