

ULTRA-ZONE®

Forced Air Zone Controls

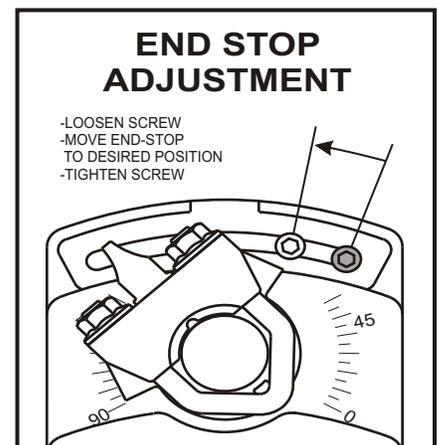
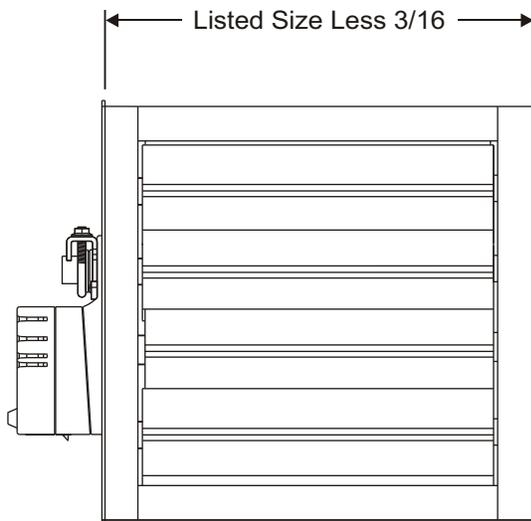
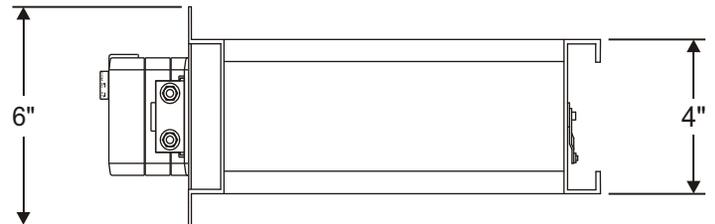
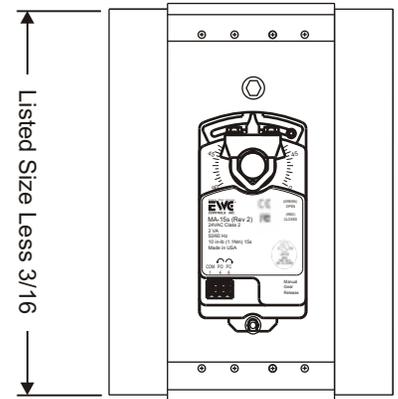
SUBMITTAL SHEET

Model ND Damper
with MA-15S Actuator

The ND-MA-15S (Rev 2) motor actuator is now equipped with LED's to indicate damper blade position. The ND damper includes a glass filled nylon shaft and nylon bearings. The superior design insures long life, zero maintenance and a 5 year warranty. The C/UL Listed Motor Actuator is rated for 24vac, 3 wire (On/Off) Power open/Power close applications making it compatible with most constant applied voltage Zone Controllers. **The MA-15S is also rated for Floating Point applications (.5 second pulse) and is compatible with Carrier® Infinity & Bryant® Evolution communicating zone control systems.** The MA-15S Actuator includes an integrated wiring terminal block, a Manual Gear release and a single End-Stop adjustment, that allows for a maximum Open or Minimum Close field position capability. Register your warranty today at <https://ewcccontrols.com/warranty/>

Technical Data

Power Supply	24vac ± 20% 50/60Hz
Power Consumption	1.5 watt
Transformer Sizing	2 va (Class 2 power source)
Electrical Connection	Screw Terminal (18AWG solid or stranded Wire)
Control Function	Open / Close or Floating Point
Torque	10 in-lb [1.1 Nm]
Rotation	90 degree
Manual Gear Release	External Lever
Running Time	15 seconds. Independent of load
Humidity	5 to 95% RH Non-Condensing
Ambient Temperature	-22°F to +122°F [-30°C to +50°C]
Storage Temperature	-40°F to +176°F [-40°C to +80°C]
Orientation	Any orientation in a conditioned space
Housing	NEMA 1 / IP20
Housing Material	UL94-5VA
Noise Level	45dB(A)
LED Function On/Off	Green = Open & Red = Closed
LED Function Floating	N/A



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SUBMITTAL FORM

SUBMITTED BY: _____
 JOB: _____
 ARCHITECT: _____
 ENGINEER: _____
 CONTRACTOR: _____
 LOCATION: _____

Insertion Mounting

Cut a 4.25" slotted opening in one side of the duct and slide the damper in. Secure the damper to the duct with the sheet metal screws. Larger sizes may require additional support by securing the back of the damper as well. If using duct board, additional support can be obtained by using Model DBA Duct Board Adaptors.

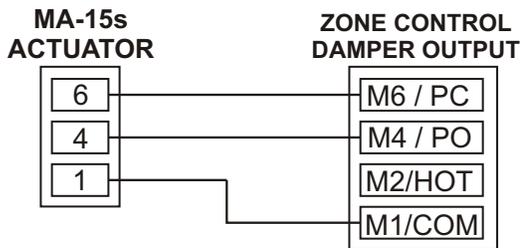
**If flush wall mounting is required, cut the flanges off of the front mounting plate.*

WIRING SOLUTIONS

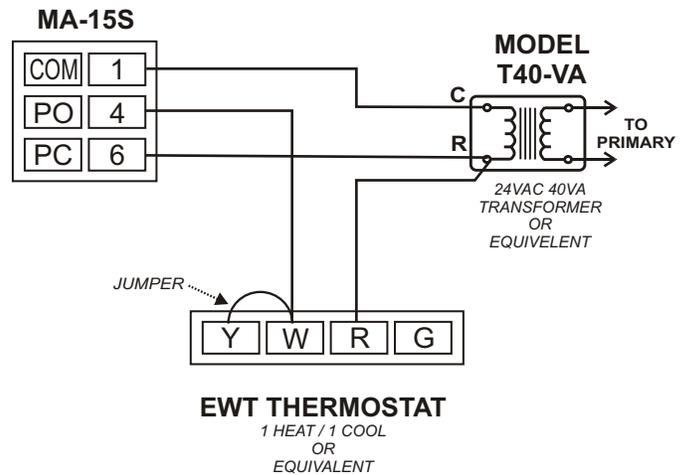
Motor Actuator Terminals

TERMINAL	DESCRIPTION
1	24v Com.
4	Power Open
6	Power Close

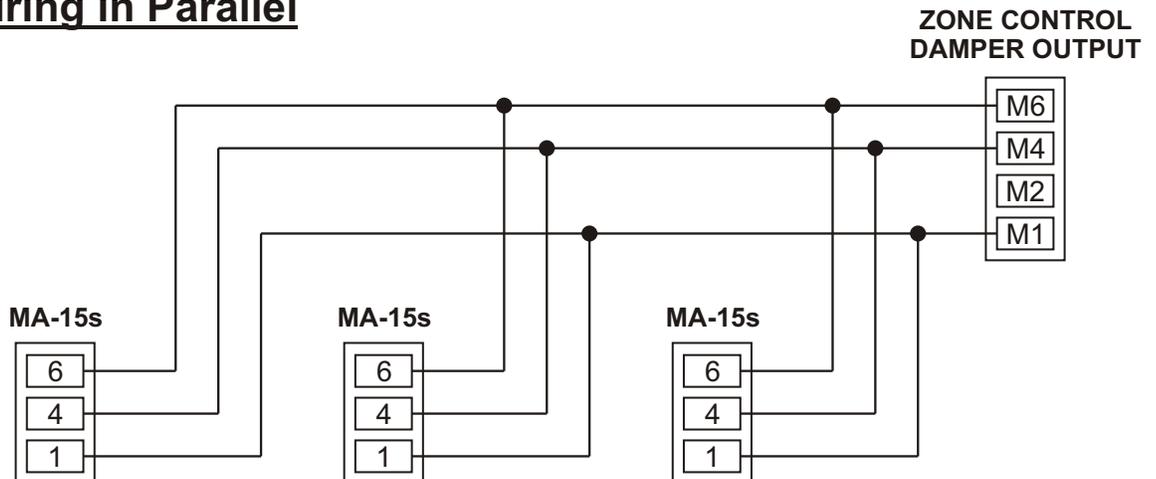
Wiring to a Zone Control Panel



Wiring a Thermostat to Control a Single Damper



Wiring in Parallel



NOTE: You may electrically parallel several MA-15S motors together on a single zone. However, **DO NOT** parallel the EWC MA-15S with original Carrier/Bryant damper motors on the same zone. The back-feed characteristic of the Carrier/Bryant motors is not compatible with the MA-15S motors.