

# ULTRA-ZONE®

Forced Air Zone Controls

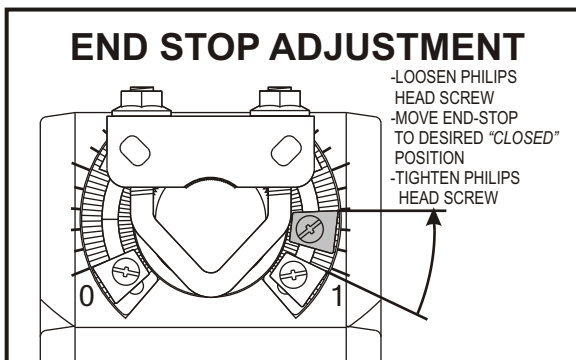
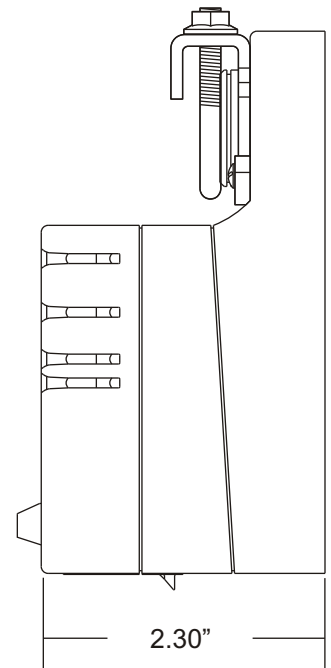
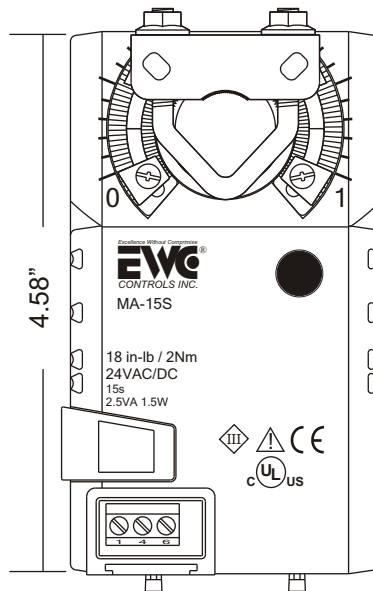
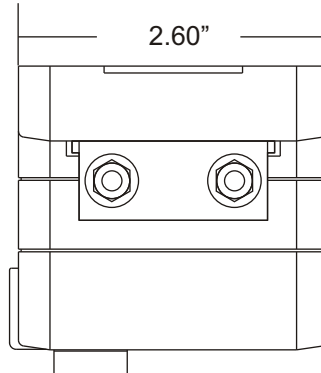
## SUBMITTAL SHEET

### Model MA-15s Actuator

The MA-15S motor actuator is easy to install, easy to wire up, and comes with a 5 year warranty. The superior design insures long life and zero maintenance. *The Motor can be oriented in any position in a conditioned area.* The UL Listed Motor Actuator is a 24vac 3 wire power open & power close type rated at 18 inch lbs. of torque and 15 second travel time. *The MA-15S can also operate in floating mode and is compatible with Carrier® Infinity & Bryant® Evolution communicating zone control systems.* The MA-15S includes an integrated wiring terminal block, and has a NEMA1 rated housing. Dual End-Stop adjustments allow for a maximum Open and Minimum Close field position capability. The robust MA-15S is typically specified on Ultra-Zone® URD and ND style dampers.

Technical Data

Power Supply	24 VAC ± 20% 50/60Hz 24 VDC ± 10%
Power Consumption	1.5 W
Transformer Sizing	2.5 VA(Class 2 power source)
Electrical Connection	Screw Terminal (26 to 14 GA Wire)
Control Function	Open / Close or Floating Point
Torque	18 in-lb [2 Nm]
Manual Override	External Push Button
Running Time	15 seconds, constant 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]
Housing	NEMA 1 / IP20
Housing Material	UL94-5VA
Agency Listings	cULus
Noise Level	45dB(A)



**SUBMITTAL FORM**

SUBMITTED BY: \_\_\_\_\_  
 JOB: \_\_\_\_\_  
 ARCHITECT: \_\_\_\_\_  
 ENGINEER: \_\_\_\_\_  
 CONTRACTOR: \_\_\_\_\_  
 LOCATION: \_\_\_\_\_



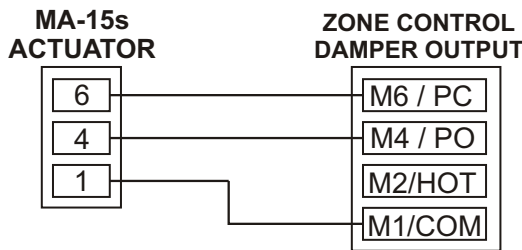
385 Hwy. 33  
 Englishtown, NJ 07726  
 Ph: 800-446-3110  
 Fx: 732-446-5362

### WIRING SOLUTIONS

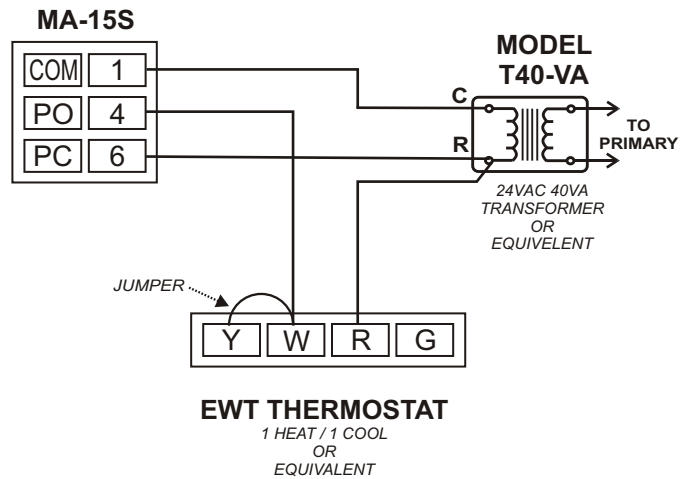
#### Motor Actuator Terminals

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

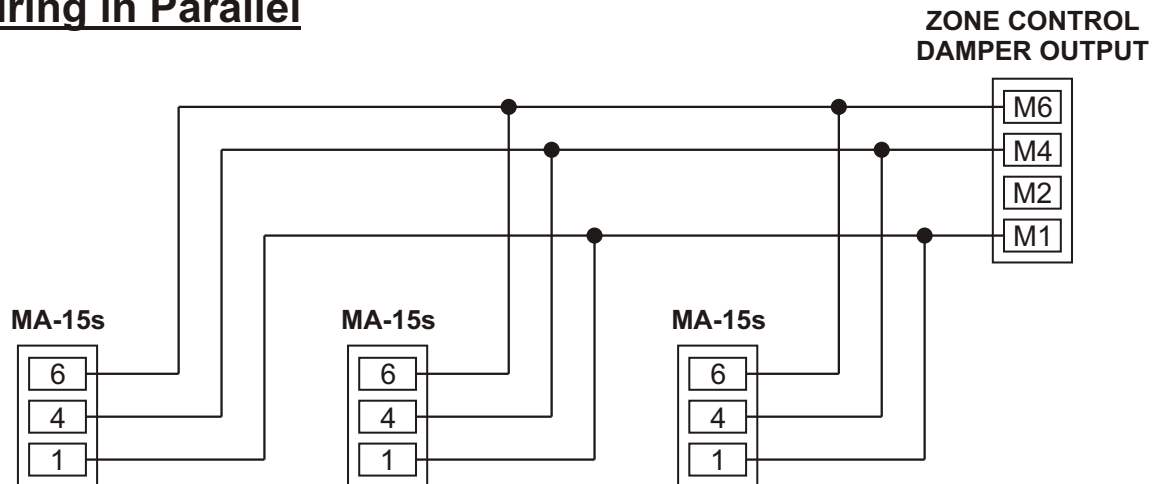
#### Wiring to a Zone Control Panel



#### 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 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.