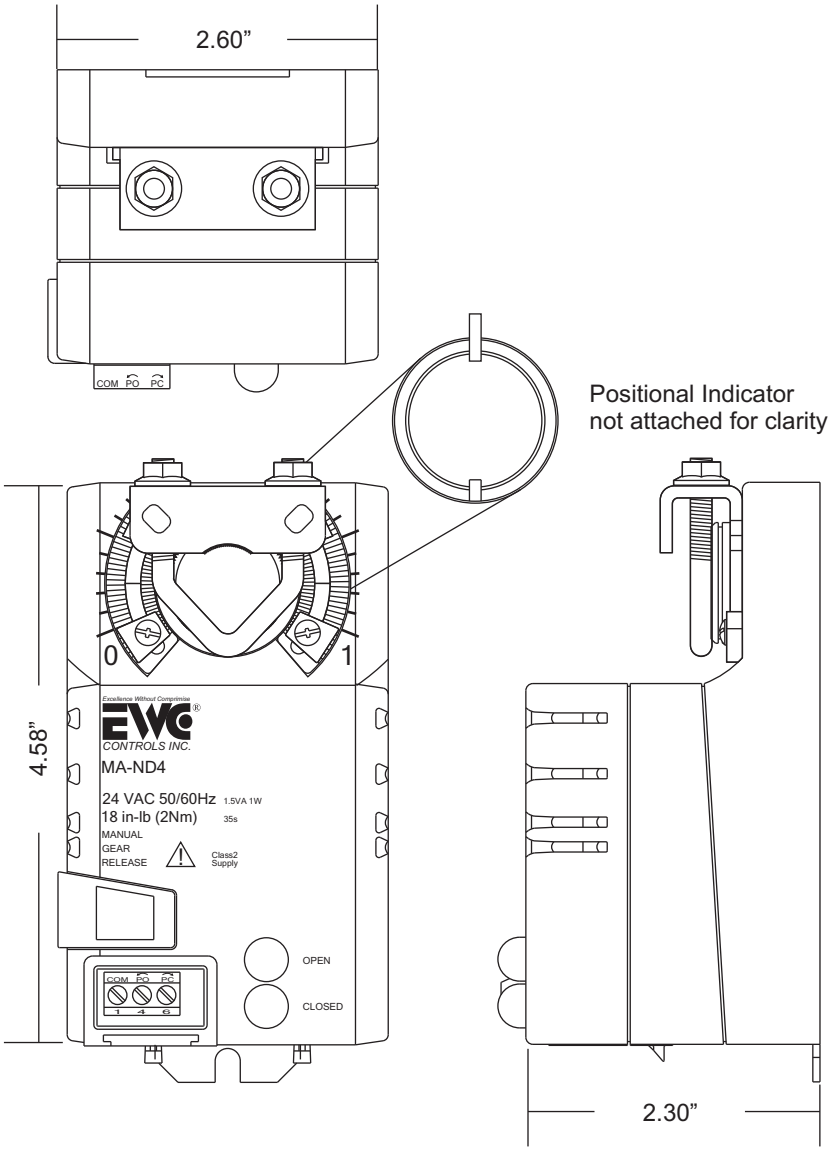
ULTRA-ZONE®
Forced Air Zone Controls

SUBMITTAL SHEET
Model MA-ND4 Actuator

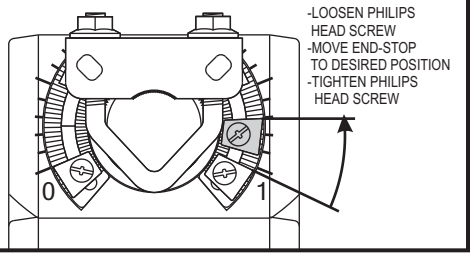
The NEW MA-ND4 motor actuators are easy to install, easy to wire up, and come with a 5 year warranty. The superior design insures long life and no maintenance. The UL Listed Motor Actuator is a 24vac 3 wire power open / power close type rated at 18“ lbs. of torque. The MA-ND4 motor features bright Green and Red LED's which correspond to the OPEN and CLOSED position of the blade. The motor also includes End-Stops for Min/Max position capability to allow adjustment of the design CFM flow into a particular zone or area. The Position LED’s will illuminate regardless of the Min/Max settings. A positional arrow is also included that provides visual indication of blade travel. The MA-ND4 can also replace existing MA-ND, MA-URD, or MA-RDN motor actuators. The MA-ND4 will accept an Auxiliary Switch device, allowing control of Auxiliary functions such as equipment interlock or Fail-Safe circuits.

Technical Data

Power Supply	24 VAC± 20% 50/60Hz
Power Consumption	11.0
Transformer Sizing	1.5 VA (Class 2 power source)
Torque	18 in-lb [2 Nm]
Manual Override	External Push Button
Running Time	35 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
Housing Material	UL94-5VA
Agency Listings	cULus
Noise Level	<35dB(A)
Quality Standard	ISO 9001



END STOP ADJUSTMENT



Excellence Without Compromise
EWC® CONTROLS INC.

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Englishtown, NJ 07726
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P/N 090377A0119 REV. G 10.16.09

SUBMITTAL FORM
SUBMITTED BY:
JOB:
ARCHITECT:
ENGINEER:
CONTRACTOR:
LOCATION:

ULTRA-ZONE®
Forced Air Zone Controls

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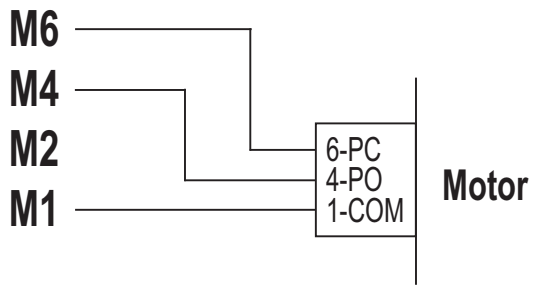
Model MA-ND4 Actuator

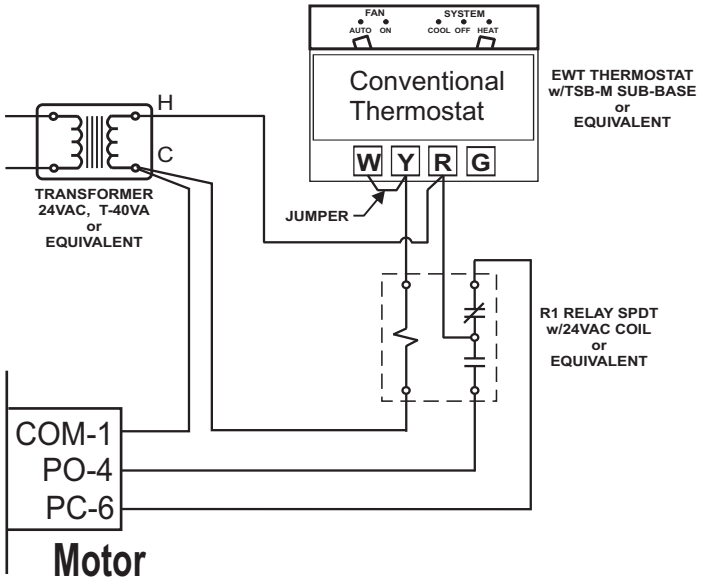
WIRING SOLUTIONS

MOTOR Terminal Output
M6 - Power to Close (PC)
M4 - Power to Open (PO)
M2 - Constant Power (HOT)
M1 - Common (COM)

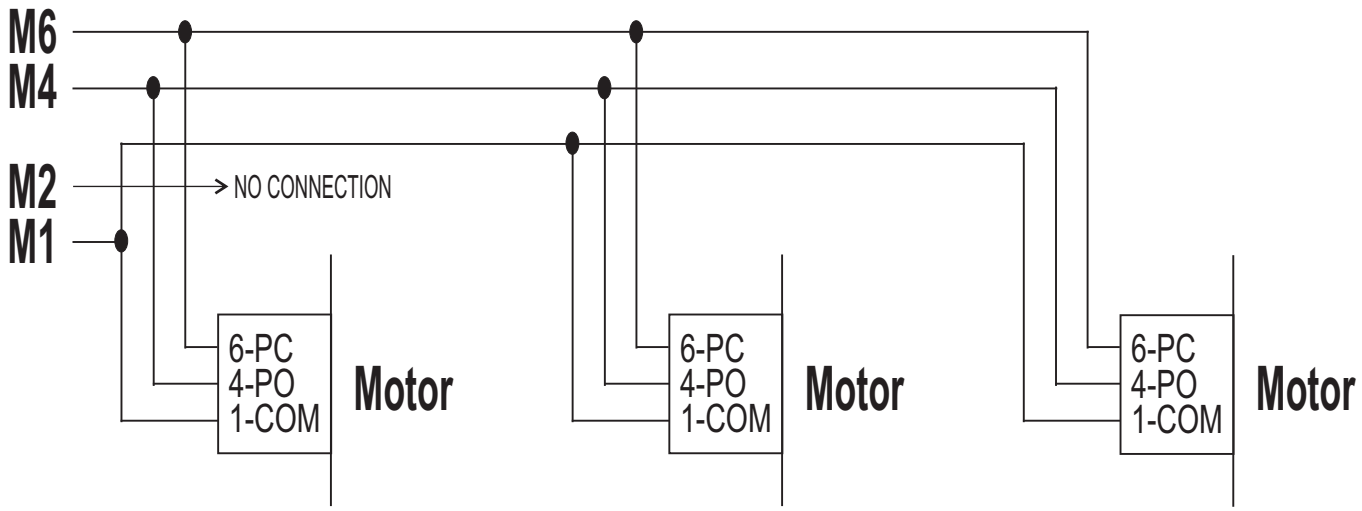
Wiring to a Control Panel



Wiring a Thermostat to Control a Single Damper



Wiring in Parallel



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