

ULTRA-ZONE[®]

Forced Air Zone Controls

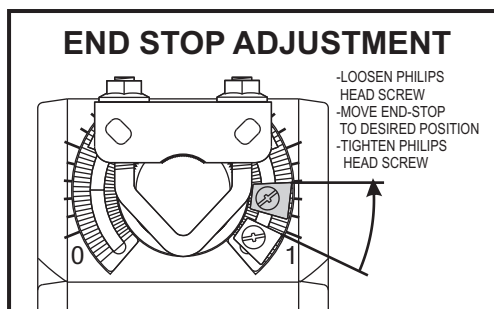
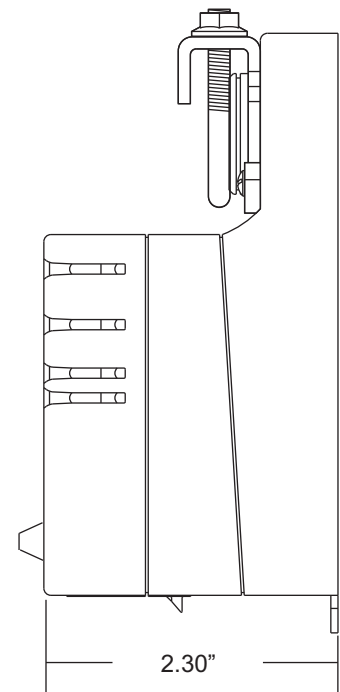
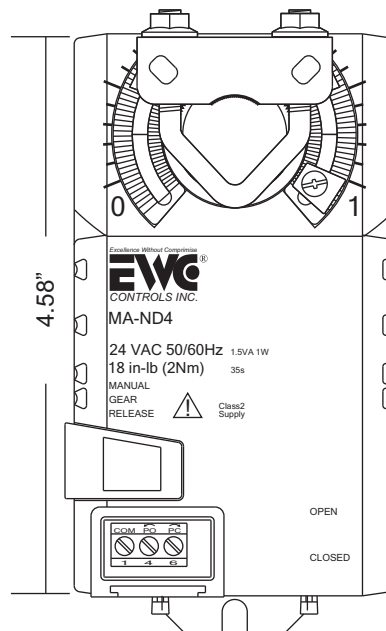
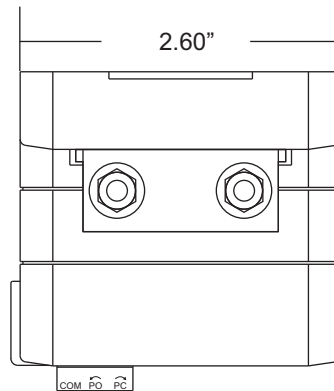
SUBMITTAL SHEET

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 an End-Stop for which allows for adjustment of a percentage of Relief Air (Leakage) when the Motor is powered to close. The Position LED's will illuminate regardless of the End Stop position. 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 (Model S1A), allowing control of Auxiliary functions such as equipment interlock or Fail-Safe circuits.

Technical Data

Power Supply	24 VAC± 20%
	50/60Hz
Power Consumption	1.1 W
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)



SUBMITTAL FORM

SUBMITTED BY: _____

JOB: _____

ARCHITECT: _____

ENGINEER: _____

CONTRACTOR: _____

LOCATION: _____



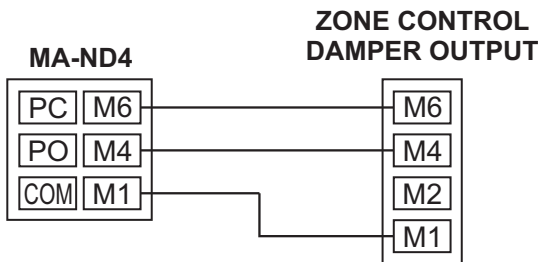
385 Hwy. 33
Englishtown, NJ 07726
Ph: 800-446-3110
Fx: 732-446-5362

WIRING SOLUTIONS

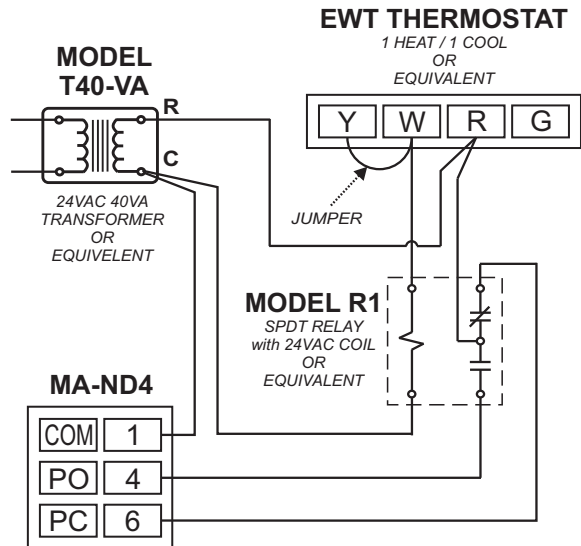
Motor Actuator Terminals

TERMINAL	DESCRIPTION
1 / COM	24v Common
4 / PO	24v Power to Open
6 / PC	24v Power to Close

Wiring to a Zone Control Panel



Wiring a Thermostat to Control a Single Damper



Wiring in Parallel

