The NEW MA-ND5 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 24 vac 3 wire power open / power close type rated at 18" lbs. of torque. The MA-ND5 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 MA-ND5 is a direct replacement for MA-ND3 or MA-ND4 actuators. The MA-ND5 will accept an Auxiliary Switch device (Model S1A), allowing control of Auxiliary functions such as equipment interlock or Fail-Safe circuits. The Motor can be oriented in any position in a conditioned area.

**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
- **Rotation**: 95 degrees - Reversible
- **Running Time**: 35 seconds, constant independent of load
- **Control**: On / Off or Floating Point
- **Humidity**: 5 to 95% RH Non-Condensing
- **Ambient Temperature**: -22°F to +140°F
  [-30°C to +60°C]
- **Storage Temperature**: -40°F to +176°F
  [-40°C to +80°C]
- **Housing**: NEMA 1
- **Noise Level**: <35dB(A)
- **Housing Material**: UL94-5VA
- **Agency Listings**: cULus

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

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**Motor Actuator Terminals**

<table>
<thead>
<tr>
<th>TERMINAL</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 / COM</td>
<td>24v Common</td>
</tr>
<tr>
<td>4 / PO</td>
<td>24v Power to Open</td>
</tr>
<tr>
<td>6 / PC</td>
<td>24v Power to Close</td>
</tr>
</tbody>
</table>

**Wiring to a Zone Control Panel**

- **MA-ND5**
  - PC: M6
  - PO: M4
  - COM: M1

- **ZONE CONTROL DAMPER OUTPUT**
  - M6
  - M4
  - M2
  - M1

**Wiring a Thermostat to Control a Single Damper**

- **MA-ND5**
  - COM: 1
  - PO: 4
  - PC: 6

- **MODEL T40-VA**
  - C
  - R
  - Y
  - W
  - G

**Wiring in Parallel**

- **MA-ND5**
  - PC: M6
  - PO: M4
  - COM: M1

- **ZONE CONTROL DAMPER OUTPUT**
  - M6
  - M4
  - M2
  - M1