**Series 92 Electric Actuators**

### Standard Features (Sizes 1-1/2" – 3")
- Reversing, capacitor run 120 VAC 50/60 Hz, motor
- Integral thermal overload protection with automatic reset
- Permanently lubricated, Rockwell hardened gearing
- Thermally bonded polyester powder coat finish
- Weather proof enclosure with SS trim
- Two ½" FNPT conduit entries to eliminate cross feed between control, feedback, and power signals
- Highly visible Beacon position indicator
- Standard end of travel limit switches can be used for light indication (not to be used with PLC for position confirmation)
- Declutchable manual override
- RHM Module (consisting of a heater and thermostat, and 2-SPDT 8A dry contact relays for PLC position confirmation). See page 71.
- Captivated SS hexhead slotted enclosure screws
- Mounting is with SS bracket, ss coupling and ss fasteners

### Options
- Feedback Potentiometer
- Positioner (modulating PCB)
- Transmitter
- Explosion Proof Enclosure (UL1203)
- Voltages
- HMI/LRS Control Station

### Specifications
- **Motor Type**: Reversing, 120VAC single phase
- **Sizes**: S92 for 1-1/2" – 3"
- **Torque**: S92, 400 in/lbs
- **Voltage**: 120 VAC, Single Phase
- **Amp Draw**: S92: .50 Amps
- **Max Ambient Temp**: 150°F
- **Switches**: 2-SPDT
- **RHM Module**: 15 Watt heater & 2-SPDT 8A dry contact relays

### Dimensions (in.)

<table>
<thead>
<tr>
<th>NOMINAL SIZE</th>
<th>INCHES</th>
<th>H</th>
<th>H1</th>
<th>L</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-1/2</td>
<td>40</td>
<td>2.50</td>
<td>9.00</td>
<td>6.50</td>
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<tr>
<td>2</td>
<td>50</td>
<td>3.00</td>
<td>10.46</td>
<td>7.01</td>
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<tr>
<td>3</td>
<td>80</td>
<td>3.75</td>
<td>14.06</td>
<td>7.99</td>
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</table>

**Series 92 ON TYPE P GATE VALVE**
AC Wiring (For 120 VAC only)

NOTE TO WIRING DIAGRAM:
1. EACH ACTUATOR MUST BE POWERED THROUGH ITS OWN INDIVIDUAL SWITCH CONTACTS TO AVOID CROSS FEED.
2. MOTOR HAS A THERMAL PROTECTOR AS SHOWN BY M IN DIAGRAM.
3. IF 120 VAC MODELS ARE PLC Driven, OUTPUT CONTACTS OF PLC SHOULD BE RATED AT A MINIMUM OF 1.5 TIMES REQUIRED INPUT VOLTAGE OF ACTUATOR.

Valve Size   Actuator Model  Torque (in/lbs)  Duty Cycle  Cycle Time (Sec)  Amp Draw
1 ½”       S92          400      25%       315     0.5   0.4   2.0  4.0  2.0  3.0  26.8
2”          S92          400      25%       315     0.5   0.4   2.0  4.0  2.0  3.0  29.5
3”          S92          400      25%       315     0.5   0.6   2.0  4.0  2.0  3.0  33.3

Duty cycle shown are for ambient temp. (73º F)
Cycle times are approximate.