

**Engineering Manual on Electric Actuators**

**Product Specifications**

Output Torque: 100 Lbf.in.  
 Speed: 2.5 sec/90 Degrees  
 Supply: 115VAC, 60Hz, 1 Phase

**Motor:**  
 Reversible, 75% Duty Cycle  
 Thermal Overload Protection

**Enclosure:**  
 Cast Aluminum, epoxy coated  
 ISO 5211 mounting pad  
 Permanent lubrication  
 Universal mounting

Temperature: -40 to 150°F  
 (Heater recommended below zero degrees ambient)

**Wiring Diagram (Standard Single Phase AC)**

**Operation**

Power to Terminals 1 and 2 drives CCW (Open)  
 Power to Terminals 1 and 3 drives CW (Close)  
 Lamp connected to Terminals 1 and 4 indicates OPEN  
 Lamp connected to Terminals 1 and 5 indicates CLOSED

Note: Allow 2.5 inches for cover removal

0.250, 0.375 Dia., 0.38, 4.50, 1.31, 5.63, 2.31, 0.81, 0.39, 1/2" NPT Conduit Entry

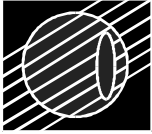
All dimensions are in inches

4.00, 0.433, 1.969 Dia. BC, 4 Holes, 1/4-20 Tap, 0.38 Deep, ISO F05  
 1.417 Dia. BC, 4 Holes, 1/4-20 Tap, 0.38 Deep, ISO F03

13560 Larwin Circle  
 Santa Fe Springs, CA 90670  
 1-800-783-7836

**SVF Flow Controls**  
I N C O R P O R A T E D

Electric Actuator Data Sheet  
 Model: E-100



**Engineering Manual on Electric Actuators**

**Product Specifications**

**4-20 mA DC Positioning Electric Actuator**

**Enclosure:**  
Cast Aluminum, epoxy coated  
ISO 5211 mounting pad  
Permanent lubrication  
Universal mounting

**Output Torque:**  
E-200 = 200 Lbf.in.  
E-300 = 300 Lbf.in.

**Speed:** 10 sec/90 Degrees  
**Supply:** 115VAC, 60Hz, 1 Phase

**Motor:**  
Reversible, 75% Duty Cycle  
Thermal Overload Protection

**Temperature:** -40 to 150°F  
(Heater recommended below zero degrees ambient)

**Wiring Diagram (4-20 mA DC Positioner)**

The diagram shows a MOTOR connected to a POSITIONER BOARD. The board has terminals 1 through 8. Terminal 1 is L2 NEUTRAL, 2 is L1 LINE, 3 is EARTH GND, 4 is SIGNAL GND, 5 is 1-5V/4-20 mA INPUT, 6 is 0-10V INPUT, 7 is +10V OUTPUT, and 8 is +24V OUTPUT. The motor is connected to terminals 1, 2, and 3. A thermal overload protection device is connected to terminals 4 and 5.

Note: Allow 3 inches for cover removal

Dimensions: 6.75, 2.11, 7.34, 2.96, 0.630, 4.75, 0.551

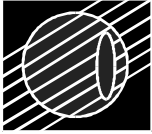
1/2" NPT Conduit Entry

1.969 Dia. BC  
4 Holes  
1/4-20 Tap, 0.44 Deep  
ISO F05

All dimensions are in inches

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Electric Actuator Data Sheet  
Model: E-200 & E-300 (4-20)



**Engineering Manual on Electric Actuators**

**Product Specifications**

**Output Torque:**  
E-200 = 200 Lbf.in.  
E-300 = 300 Lbf.in.  
**Speed:** 5 sec/90 Degrees  
**Supply:** 115VAC, 60Hz, 1 Phase

**Enclosure:**  
Cast Aluminum, epoxy coated  
ISO 5211 mounting pad  
Permanent lubrication  
Universal mounting

**Temperature:** -40 to 150°F  
(Heater recommended below zero degrees ambient)

**Motor:**  
Reversible, 25% Duty Cycle  
Thermal Overload Protection

**Wiring Diagram (Standard Single Phase AC)**

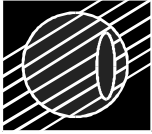
**Operation**

Power to Terminals 1 and 2 drives CCW (Open)  
Power to Terminals 1 and 3 drives CW (Close)  
Lamp connected to Terminals 1 and 4 indicates OPEN  
Lamp connected to Terminals 1 and 5 indicates CLOSED

All dimensions are in inches

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Electric Actuator Data Sheet  
Model: E-200 & E-300



**Engineering Manual on Electric Actuators**

**Product Specifications**

Model / Torque / Speed per 90°  
E-675 / 675 Lbf.in. / 15sec  
E-1000 / 1000 Lbf.in. / 15sec  
E-1500 / 1500 Lbf.in. / 30sec

Supply: 115VAC, 60Hz, 1 Phase

**Motor:**  
Reversible, 25% Duty Cycle  
Thermal Overload Protection

**Enclosure:**  
Cast Aluminum, epoxy coated  
ISO 5211 mounting pad  
Permanent lubrication  
Universal mounting

Temperature: -40 to 150°F  
(Heater recommended below zero degrees ambient)

**Wiring Diagram (Standard Single Phase AC)**

**Operation**

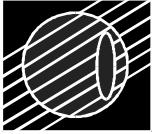
Power to Terminals 1 and 2 drives CCW (Open)  
Power to Terminals 1 and 3 drives CW (Close)  
Lamp connected to Terminals 1 and 4 indicates OPEN  
Lamp connected to Terminals 1 and 5 indicates CLOSED

All dimensions are in inches

1.75  
6.75  
1.56  
7.00  
2.381  
0.630  
1/2" NPT Conduit Entry  
Note: Allow 4 inches for cover removal  
Manual Override Push to Engage  
8.50 (for all NEMA-7 and for E-1500)  
7.00  
0.669  
2.756 Dia. BC  
4 Holes  
5/16-18 Tap, 0.38 Deep  
ISO F07

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**Electric Actuator Data Sheet**  
Model: E-675, E-1000, E-1500



**Engineering Manual on Electric Actuators**

**Product Specifications**

Model / Torque / Speed per 90°  
E-2000/ 2,000 Lbf.in./ 12 Sec.  
E-3840/ 3,840 Lbf.in./ 14 Sec.

Supply: 115VAC, 60Hz, 1 Phase

Motor:  
Reversible, 100% Duty Cycle  
Thermal Overload Protection

Enclosure:  
Cast Aluminum, epoxy coated  
Permanent lubrication  
Universal mounting

Temperature: -40 to 150°F  
(Heater recommended below zero degrees ambient)

**Wiring Diagram (Standard Single Phase AC)**

**Operation**

Power to Terminals 1 and 2 drives CCW (Open)  
Power to Terminals 1 and 3 drives CW (Close)  
Lamp connected to Terminals 1 and 4 indicates OPEN  
Lamp connected to Terminals 1 and 5 indicates CLOSED

**SVF Flow Controls**  
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Electric Actuator Data Sheet  
Model: E-2000, E-3840