Spring Return Electric
Optional Manual Override Available

Models
SURE 150

Typical Application
For on/off and modulating control of:
- Part turn ball, butterfly, plug valves or rotary dampers when emergency shutdown or shutoff capability is required in the event of a loss of power

Temperature Range
Standard: -40°F to +150°F
-40°C to +65°C
Optional: -60°F to +150°F
-50°C to +65°C
Optional: Compliance to NFPA 130, capable of operation after exposure to ambient temperature of 482°F (250°C) for a minimum of 1 hour

Voltage
115 VAC, 1 Phase, 50/60 Hz.
230 VAC, 1 Phase, 50/60 Hz.

Torque Range
1800 pound inches spring end (204 newton meters)

Speed Range
15 seconds for 90° revolution, motor operation
5 seconds spring operation

Spring
Helical torsion spring, spring steel, XYLAN® coated

Standard Features
AC Voltages
4 – SPDT Switches, PTC Heater, Motor Break

NEMA 4/6/7 Enclosure
Approvals
A.C. Models Only
Canadian Standard Association - pending

<table>
<thead>
<tr>
<th>Approvals</th>
<th>Models</th>
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<tbody>
<tr>
<td>CSA NRTL/C Type</td>
<td>SURE 150</td>
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<tr>
<td>CSA NRTL/C Class I, Divisions 1 &amp; 2, Groups C &amp; D</td>
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<tr>
<td>CSA NRTL/C Class II, Divisions 1 &amp; 2, Groups E, F &amp; G</td>
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<tr>
<td>CSA NRTL/C Approved to UL Standard No. 429, Electrically Operated Valves</td>
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<tr>
<td>CSA NRTL/C Approved to UL Standard No. 1203, Electrical Equipment for use in Explosion - proof And Dust - Ignition - proof Hazardous (Classified) Locations</td>
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Spring Return Electric

Outline Dimensions (Inches) – SURE 150

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<th>Weight</th>
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<td>120 lbs/54.5 kg</td>
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**Conduit Entries**

- **CCW Spring Return**
  - 3/8 - 16 UNC - Class 2B, 625 Depth
  - Typ. 4 places located on a 2.756 D.B.C.
  - 1.102 Dia. x 1.38 Depth
  - 0.315 x 0.276 (8mm x 7mm)
  - Key Typ. 2 places

- **CW Spring Return**
  - 3/4 N.P.T. Conduit Entry Ports

**Conduit Entries**

- 2x 3/4 N.P.T. Conduit Entry Ports
- 25.04 to N.P.T. Ports
- 17.64
- 27.84
- 35.17 Clearance for Cover Removal
- 5.78
- Ø 11.56
- Ø 2.44
- Lifting Lugs
  - 4 x Ø.31
  - 1.06
  - 3/8-16 UNC - 2B
  - .88 Depth

**Notes**

1. Direction of rotation is based on viewing actuator from top.
2. Actuator shown in a power fail position.
3. Mounting circle complies with ISO 5211 flange type F07 (except bolt thread). Bolt circle is on center line, not straddling center line.
4. Two keys are recommended for driving device.
5. It is recommended that the actuator be driven electrically in both directions for normal operation and prolonged life.