The R series ultra-compact electric rotary actuator was specifically designed for small ball valve and damper applications.

**Specifications:**

- **Torque**: 100 In-Lb (11.3 Nm)
- **Cycle Time**:
  - 2.5 Sec./90 115Vac & 230Vac
  - 2.9 Sec./90 12Vdc, 24Vdc, 24Vac motor (75%)
- **Duty Cycle**:
  - 25% standard on 115Vac and 230Vac
  - 75% standard on 12Vdc, 24Vdc and 24Vac
- **Motor**: Permanent split capacitor (for AC) with thermal overload protection

### Current Ratings

<table>
<thead>
<tr>
<th>Voltage</th>
<th>115 Vac (Std.)</th>
<th>24 Vac</th>
<th>24 Vdc</th>
<th>12 Vdc</th>
<th>208 Vac/1Ph/60Hz</th>
<th>230 Vac/1Ph/60Hz</th>
</tr>
</thead>
<tbody>
<tr>
<td>FL</td>
<td>0.40</td>
<td>0.40</td>
<td>0.60</td>
<td>0.36</td>
<td>0.33</td>
<td>0.33</td>
</tr>
<tr>
<td>LR</td>
<td>0.55</td>
<td>2.40</td>
<td>2.90</td>
<td>0.72</td>
<td>0.38</td>
<td></td>
</tr>
</tbody>
</table>

The motor's LR amps must be taken into account when sizing the input power supply and fuses. Slow blow fuses are recommended.

### Certifications

- **Canadian**: CSA Master Contract 178618
- **United States**: UL 429 Electrically Operated Valves 7th Edition, Class 3221 82 - Valves – Actuators General Purpose

### Approved Voltages

- 12Vdc, 115Vac & 230Vac

### Approved Temp.

- -4F (-20C) to 104F (40C)

### Approved Options

- Power off Brake, Spring Friction Brake, One or Two Auxiliary Switches (For complete list of options, see option grid in catalog page 33)

### Coating

- Thermally bonded polyester powder

### Indicator

- Visual Dome style
- Electric Feedback from limit switches, same as operating voltage

### Switches

- Snap action SPDT, 15A @ 250Vac

### lubrication

- Grease Permanent, little or no maintenance required

### Weight

- Pound 7 (lb)
- Kilogram 3.2 (kg)

### Mounting

- Universal

### Mounting Pad

- ISO 5211 F03 (9mm star drive), F04 (11mm star drive) AND F03/04 (11mm star drive with F03 bolt circle)
TEMPERATURE

-40°F (-40°C) to 150°F (65.6°C), heater & thermostat required 0°F and below
Optional double heater for application up to -76°F (-60°C)

OVERRIDE

Manual, non-declutching
Declutching manual override not available
DC voltage cannot be manually operated