APECS®
0175/0175P
Linkage-Free, Integral Type Actuator

Features

• Push or Pull actuation
• Failsafe operation using spring to return actuator to minimum fuel position
• Polarity protected
• Corrosion resistant plated steel casing and mounting base/flange
• Engine mountable
• 100% inspected and factory tested
• Variety of options for mounting styles, plungers, terminations and springs

Options

• Engine or application specific mounting brackets
• Two pin connectors
• Rod end linkages
• Position feedback

Options
Specifications

- **Stroke:**
  0.8" maximum

- **Net Force:**
  4.0 pounds (17.8 Newtons)

- **Work Rating:**
  0.3 foot-pounds

- **Rated Current:**
  4.5 Amps (12 vdc)
  2.0 Amps (24 vdc)

- **Response Time:**
  30 milliseconds
  for 10%-90% of stroke

- **Spring Shutdown Force @ Full Stroke:**
  0.5 pounds

- **Temperature Range:**
  -40 deg C to 121 deg C
  (-40 deg F to 250 deg F)

- **Vibration:**
  15 Gs

- **Shock:**
  200 Gs

- **Shipping Weight:**
  Approx. 1.5 lbs (0.7 kg)

### Ordering Information

To order, specify the desired features from the following chart. For example: 0175P-12A2LS1

<table>
<thead>
<tr>
<th>Model</th>
<th>Volts</th>
<th>Mounting Style</th>
<th>Plunger Type</th>
<th>Termination Type</th>
<th>Return Spring</th>
<th>Special Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>0175</td>
<td>12VDC</td>
<td>A-Flange</td>
<td>2-Ext.1/4-28 Threads</td>
<td>L-Lead wire</td>
<td>S1</td>
<td>(Force @ Full Stroke)</td>
</tr>
<tr>
<td></td>
<td>24VDC</td>
<td>E-Base</td>
<td>3-Ext.M-6 Threads</td>
<td>C-Connector</td>
<td></td>
<td>(0.5 lbs.)</td>
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An overspeed shutdown device, independent of the APECS system, should be provided to prevent loss of engine control which may cause personal injury or equipment damage.

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