



Control & Sensor Technology

Linear Proportional Actuators

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

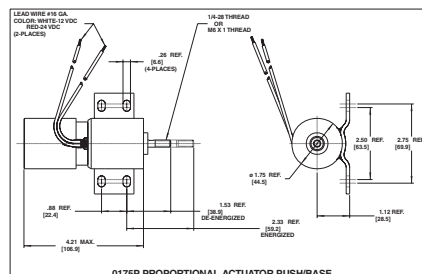
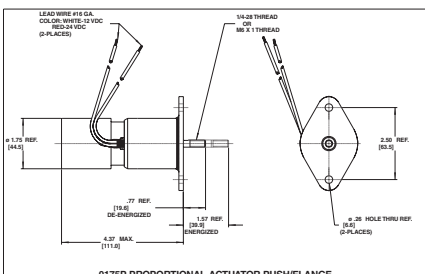
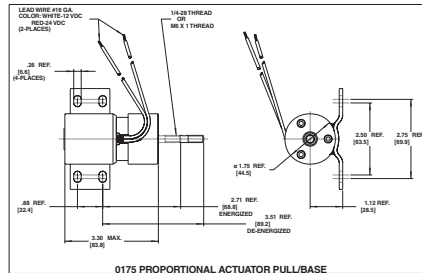
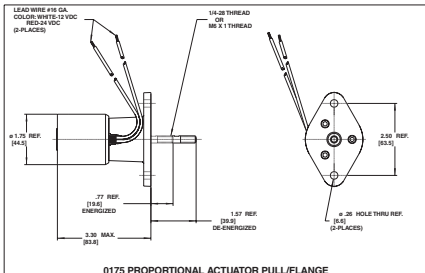


Features

- 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



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0175 0175P

Specifications

- **Stroke:**
0.8" maximum
- **Spring Shutdown Force @ Full Stroke:**
0.5 pounds
- **Net Force:**
4.0 pounds (17.8 Newtons)
- **Temperature Range:**
-40 deg C to 121 deg C
(-40 deg F to 250 deg F)
- **Work Rating:**
0.3 foot-pounds
- **Vibration:**
15 Gs
- **Rated Current:**
4.5 Amps (12 vdc)
2.0 Amps (24 vdc)
- **Shock:**
200 Gs
- **Response Time:**
30 milliseconds
for 10%-90% of stroke
- **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

| Model | Volts | Mounting Style | Plunger Type | Termination Type | Return Spring (Force @ Full Stroke) | Special Options |
|-----------------|----------------|--------------------|---|----------------------------|--|-----------------|
| 0175 (pull) | 12VDC 24VDC | A-Flange E-Base | 2-Ext.1/4-28 Threads 3-Ext.M-6 Threads | L-Lead wire C-Connector | S1 (0.5 lbs.) | |
| 0175P (push) | 12VDC 24VDC | A-Flange E-Base | 2-Ext.1/4-28 Threads 3-Ext.M-6 Threads | L-Lead wire C-Connector | S1 (0.5 lbs.) | |



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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www.sspi.com

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