

# 1205P Pressure Switch

## Miniature Pressure Switch

Nega-Rate® Belleville disc spring/piston pressure sensing mechanism and small size provides excellent vibration, shock proof and surge resistant capabilities for systems up to  $1 \times 10^6$  psi per second rise rates.

- Piston sensor design
- Durable aluminum construction
- Designed for hydraulic applications



## General Specifications

- Set point range from 400 to 2400 psig
- Deadband range from 100 psi or 45% of the set point
- Proof pressure up to 4500 psig
- SPDT snap action switch element
- Temperature Range:
  - Ambient -65°F to +275°F (-54°C to +135°C)
  - Media -40°F to +275°F (-40°C to +135°C)
- Vibration capability to 20G's

## Optional Features

- Set point range up to 4500 psig
- Extremely wide deadband
- Dry circuit to 7 amps 28 VDC electrical rating
- DPDT snap action switch element or patented shunt-disc
- Electrical assembly hermetically sealed per MIL-HDBK-5400 Para. 3.8
- Electrical connector per most military specifications or wire leads per MIL-W-16878/4
- Pressure connection per most military specifications
- Operating (ambient) temperature up to 350°F (177°C)
- Vibration capabilities up to 25G's with a switch element, or 100G's with a patented shunt-disc (Patent No. 3876845)

## Heritage

The Series 1205P is a unique switch in the Neo-Dyn family of switches. Using aluminum construction, it provides the same performance as other Neo-Dyn switches, but in a smaller size with less weight.

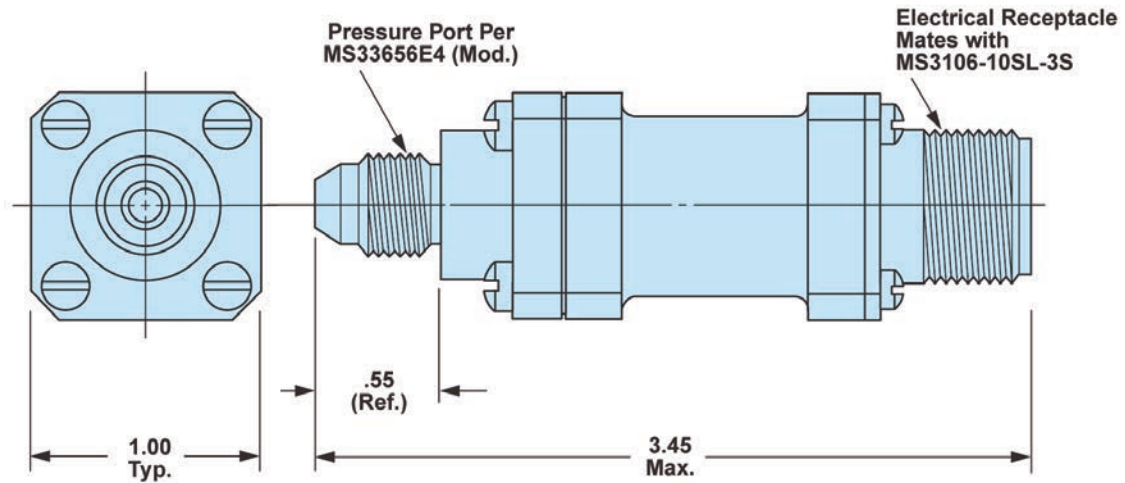


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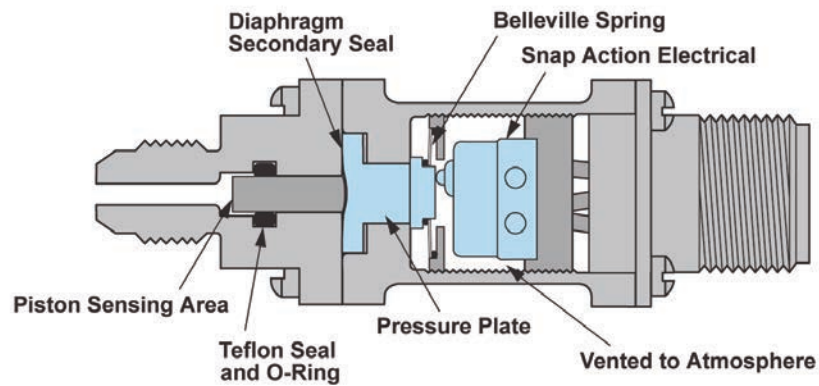
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## Envelope Dimensions



## Basic Principles of Design



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Specifications and dimensions subject to change.