

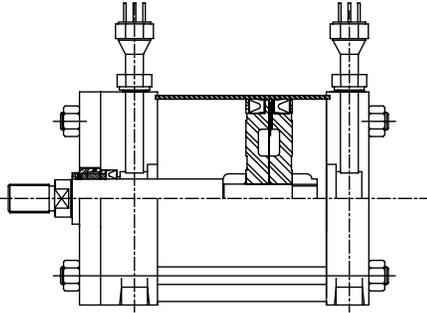


POSITION SENSING CYLINDERS

END-OF-STROKE PROXIMITY SENSOR LINEAR DISPLACEMENT TRANSDUCER SERVO-POSITIONING

END-OF-STROKE PROXIMITY SENSOR, THREADED MOUNT

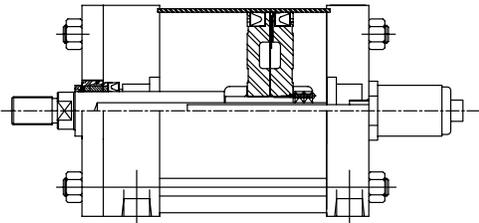
This type of switch signals the end-of stroke of the cylinder by sensing the ferrous cushion bosses on each side of the piston. The switch contains an internal magnet that operates a conventional single pole, double throw, form C switch. These O.D. threaded switches are mounted through the cylinder heads on approximately the same axial centerline as the ports.



Contact Rating: 2 Amp @ 240 VAC
3 Amp @ 24 VDC
Response Time: 0.008 seconds
Repeatability: 0.002" of set operating point under identical conditions
Approvals: UL, CSA, BASEEFA and SA

LINEAR DISPLACEMENT TRANSDUCER

Linear position sensing provides a non-contact displacement transducer that offers a high degree of accuracy. This type of unit is mounted axially through the cylinder closed head with the probe extending into a clearance in the piston rod.



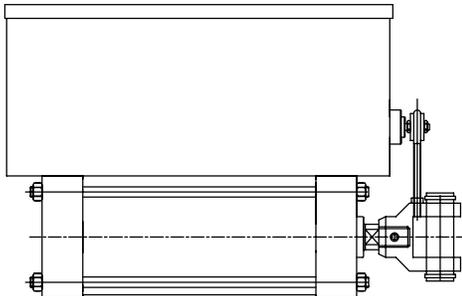
Linearity: $\pm 0.02\%$ or better
Repeatability: $\pm 0.001\%$ or 0.0001" of full stroke, whichever is greater
Control Interface: Digital or Analog output
Approvals: UL and CE

Various models and protocols are available.

SERVO-POSITIONING SELF-LUBRICATING AIR CYLINDER

The Lehigh Positioning Cylinder is an air cylinder directly coupled to a force-balance, servo-type positioner. This combination provides a means of controlling the stroke of the piston rod to any desired length up to full stroke. The stroke control, by a remote pressure transmitter, is repeatable and infinitely variable.

This air cylinder assembly provides a precise method for creating and controlling forces by the plant operator or process transmitter located at some distance from the output device. It can develop long power strokes and may be controlled to any point in its travel.



Applications include:

- ✓ Control of damper and louvre openings
- ✓ Regulating gates, shutters and doors
- ✓ Lifting loads to exact position
- ✓ Positioning slides on automated equipment
- ✓ Modulating valves

Various models and protocols are available.

*Ordering: Contact Lehigh sales and engineering for application assistance to define ordering information.
Specifications are subject to change without notice*