Series 2H/3L Magnetic Piston
Position Sensing Technology for Hydraulic Cylinders

Customer Value Proposition:

Parker’s magnetic sensing option for hydraulic steel/tie rod construction cylinders provides OEM's and end users the ability to sense piston position in an economical and reliable fashion through the use of innovative magnet and switching technology. The magnetic piston option offers all users the choice to eliminate added cylinder machining costs, stand alone external brackets/hardware, and reduced system set-up time. By incorporating sensing capability into steel/tie rod style cylinders, the need to fabricate, install, wire, and adjust stand alone proximity switches can be eliminated – thus providing a clean and more efficient position monitoring system.

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Product Features:

• Available for Series 2H, 3L, and 2A cylinders
• 1.50” through 4.00” bore pistons
• Available on 15 different mounting styles
• Adjustability over the entire working stroke length
• Multiple switches can be used per cylinder
• Non intrusive design eliminates potential leakage
Magnetic Switch Choices

Making The Best Choice

Parker’s Read.Me Switch and Global Switch are designed to offer customers an alternative means of sensing hydraulic cylinder piston position. Depending on the application, and the budget, one switch type may be better suited to fulfill customer needs than the other. Some of the important things to consider when analyzing what switch to choose are listed below.

Read.Me Switch
- Compatible with standard steel tube
- +10 to +30 VDC power requirement
- PNP/NPN wired NO or NC
- Solid state construction
- 2 LED indicators (power & target)
- 12mm connector – straight or right hand
- IP 67 rated
- Temperature Range: -25°C to + 85°C
- Short circuit protection

Global Switch
- Uses 316 stainless steel tube
- +10 to +30 VDC, +10 to +120 VAC power requirement
- PNP/NPN, Reed
- Solid state construction
- 1 power LED indicator
- 12 or 8mm connector – straight or right hand
- IP 68 rated
- Temperature Range: -25°C to + 75°C
- Short circuit protection

- Can be positioned at any location along the cylinder to indicate end-of-stroke or mid-stroke locations.
- Allow multiple switches to be installed with numbers only restricted by available tie rod mounting space.
- Available for Series 2H, 3L, and 2A in 1.50” - 4.00” bores.