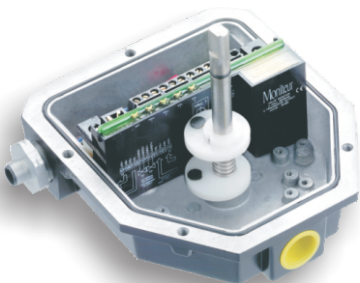
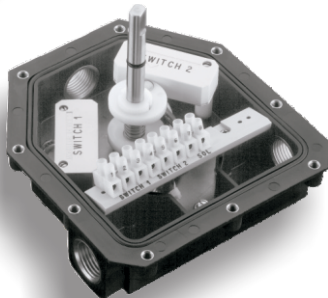
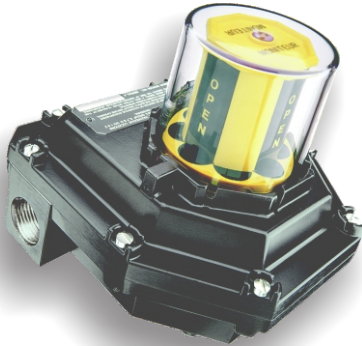




Moniteur Devices is an industry leader in the development and manufacture of valve position indicators, rotary limit switches, valve monitoring systems and valve positioners for automated valves. Our benefits are proven - all of our products outperform in the severe services found in the oil & gas, petrochemical, power generation, pharmaceutical, and specialty chemical industries, providing a longer service life and lower operating costs over the life of the product.



Products

- *Networking:* ASI, DeviceNet and Profibus DP networking products and system solutions
- Pneumatic and electro-pneumatic positioners for a wide range of applications
- Valve Position Transmitters (VPT) for valve position feedback
- ATEX / IECEx / FM CSAus Global Approvals
- Visual indication for valve position verification for plant personnel
- Solenoid valves
- Low profile VPTs for valve feedback and system communications
- Linear and quarter-turn valve feedback
- Mounting hardware to your actuator

Features

- Patented Visual Indicateur with 100% change of indication
- Indicator shaft is secured to the housing with Moniteur's patented engineered Loc-Ring Cam and Shaft Retention System
- Clear cover is free from decals and paint to ensure long visibility in direct sunlight and wash down applications
- Sealed indicator that prevents fogging or entry of contaminants
- Wide variety of switches and sensors to meet today's advanced control systems requirements
- **Increased personnel safety design**
 - Sealed wire terminal connections
 - Angled and labeled terminal strip
 - Simple *Set and Go* cam setting
 - Highly visible Indicator
- Thermoplastic quick-mount bracket with dual o-ring actuator and enclosure seals
- Unsurpassed product reliability and durability
- Large inventory of mounting hardware
- Increased process reliability





General Purpose NEMA 4, 4x Environments

Watchman - an all purpose switch in an aluminum enclosure

Survivor - a thermoplastic enclosure for corrosive environments

Hazardous Area NEMA 4, 4x,7,9 Environments

Sentinel - Aluminum Explosion-proof enclosure;

- Class I, Div 1, Groups C, D;
- Class I, Div 2, Groups A, B, C, D
- Class II, Div 1, Groups E, F, G

Sentinel II - Aluminum Explosion-proof enclosure;

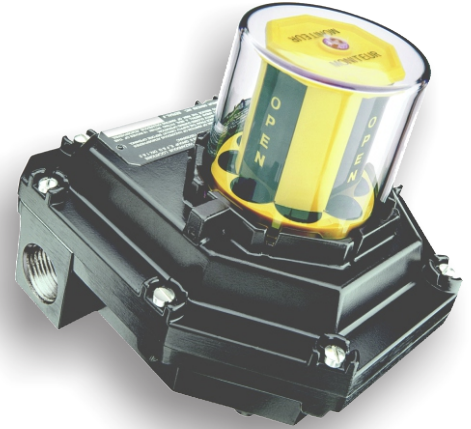
- Class I, Div 1, Groups A, B, C, D

Survivor II - Super Tough Zytel enclosure; NEMA 4, 4x

- Class I, Div 2, Groups A, B, C, D
- Class II, Div 2, Groups E, F, G

Sentinel S3 - Global Approvals

ATEX / IECEx II 2 G Ex d IIB +H2 T6 IP66/67 - II 2 D Ex tb IIIC T85°C, IP66/67
FM CSAus Cl. I, Div. 1, Groups B, C, D Cl. II, Div. 1, Groups E, F, G TYPE 4X



Linear Valve Applications

Companion - 316 stainless steel enclosure for corrosive environments; NEMA 4, 4x, 7, 9

- Class I, Div 1, Groups A, B, C, D; Class II, Div 1, Groups E, F, G

Guardian - Aluminum enclosure for explosion proof and partially submersible environments; NEMA 4, 4X, 7, 9

Positioners

Series 40 - A high performance *Pneumatic Positioner* that significantly improves linearity while reducing both hysteresis and air consumption by up to 75%

Series 41 - A high performance *Electro-Pneumatic Positioner* that significantly improves linearity while reducing both hysteresis and air consumption by up to 75%

Open/Closed and 3-Way Path Indicators



Popular Switch and Sensor Specifications

- ▶ Mechanical SPDT Switches



Electrical Ratings

- 15 A / 125-250 VAC
- 2.5 A / 24 VDC
- 0.5 A / 125 VDC
- 0.25 A / 250 VDC

Operating Temperature
-40 to +175 °F

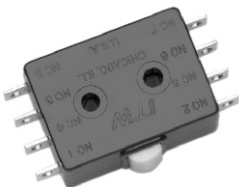
- ▶ TTL Hermetically Sealed Proximity Switches



Electrical Ratings

- Rhodium (DC Signals):
1 A / 24VDC - 0.25 A / 120VAC
 - Tungsten (AC Signals):
3 A / 120 VAC - 2 A / 24VDC
- Operating Temperature
-40 to +175 °F

- ▶ Mechanical DPDT Switches



Electrical Ratings

- 10 A / 125-250 VAC
- 7 A / 24 VDC
- 0.25 A / 125 VDC

Operating Temperature
-40 to +175 °F

- ▶ Pepperl & Fuchs NJ2-V3-N NAMUR Inductive Sensors (Intrinsically Safe)



Electrical Ratings

- NAMUR 5-25 VDC
 - Target Present 3-15 mA
 - Target Absent <1mA
- Operating Temperature
-25 to +140 °C

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