

### Optimized to Outperform

Moniteur's Survivor Valve Position Transmitter has been designed to provide the most reliable valve position feedback in difficult process environments. Every detail of its construction has been optimized to outperform. *Features Include:*

- ▶ Moniteur's patented Engineered Loc-Ring Cam and Shaft Retention System provides unsurpassed sensing accuracy over the multi-million cycle life of the physical platform.
- ▶ Clear Ektar cover offers optimum chemical resistance and strength and is environmentally sealed to prevent fogging or entry of contaminants.
- ▶ Careful material selection provides Moniteur's patented indicator a rated life of minimum 1,000,000 cycles.
- ▶ Materials of construction selected to excel in high vibration, corrosive and dirty environments, either indoors or outdoors.
- ▶ Indicator is fully adjustable to any valve or actuator.
- ▶ Internal Switches and terminal block are labeled for easier installation.
- ▶ The industry's only "true" visual valve position indicator available for multi-port valves, adjustable to match the actual physical flow pattern of the valve.
- ▶ "Flat cover" version is available without an indicator for areas with tight space requirements.



### Material Specifications

- ▶ Enclosure - SuperTough Zytel® Nylon with Molded-In Nickel-Plated Brass or Stainless Steel Inserts
- ▶ Shaft - 303 or Optional 316 Stainless Steel
- ▶ Shaft Locking Ring - Stainless Steel
- ▶ Indicator Cover - Ektar Copolyester
- ▶ Bearing - Bronze or Optional 303 Stainless Steel
- ▶ Fasteners - 303 Stainless Steel
- ▶ O-rings - BUNA-N or Optional Viton
- ▶ Cams and Splines - Acetal

### Certified Configurations

- ▶ 2 or 3 - 1/2" NPT Conduit Entries
- ▶ 1, 2, 3 or 4 Mechanical SPDT Switches.
- ▶ 1, 2, 3 or 4 Tungsten or Rhodium TTL Hermetically Sealed Proximity Switches
- ▶ 1 or 2 DPDT Mechanical Switches
- ▶ 1, 2, 3 or 4 Inductive Proximity or Intrinsically Safe Sensors
- ▶ Standard NAMUR, Low Profile NAMUR or Standard Shaft (1/4" flats)
- ▶ 4-20mA Transmitter or 0-1k or 10k ohm High Linearity Potentiometer for 0-100% Analog Output

*Zytel is a trademark of the DuPont Company*

### 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



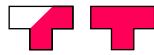
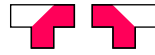
Electrical Ratings  
 10 A / 125-250 VAC  
 7 A / 24 VDC  
 0.25 A / 125 VDC  
Operating Temperature  
 -40 to +175 °F

- ▶ 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

### Open/Closed and 3-Way Path Indicators



### Intelligent Part Number System

<b>P</b>	<b>M</b>	<b>Y</b>	<b>B</b>	<b>-</b>	<b>E</b>	<b>1</b>	<b>2</b>	<b>0</b>
Series	Cover	Indicator	Bearing		Shaft	Switch	Quantity	Conduit

Description	Code	Description	Code	Description	Code
Series: Survivor	P	Bearing & Inserts		Conduit Connection	
Moniteur		Bronze	B	2 - 1/2" F NPT	0
With Indicator	M	303 Stainless	S	3 - 1/2" F NPT 1	6
Flat Cover	F	Shaft		1 - 1/2" F NPT +	
<u>Indicator Type (open/closed)</u>		Standard 303 SS	1	1 - 1/2" M NPT	8
No Indicator (Flat Cover)	N	Standard 316 SS	3	<u>Options</u>	
Black / Yellow (Standard)	Y	Low Profile NAMUR 303 SS	5	Transmitter 4 - 20mA	- 420
Green / Red	A	Low Profile NAMUR 316 SS	7	Potentiometer 0 - 1k	- 1K
Red / Green	C	NAMUR 303 SS	E	All Viton Seals	-V
0-100% Digital	P	NAMUR 316 SS	G	12 Terminal Points	-12T
3-Way Path O (90 deg.)	O	<u>Switch/Sensor Type</u>		16 Terminal Points	-16T
3-Way Path T (90 deg.)	T	Mechanical SPDT 15A-250VAC	1	High Temperature	-HT
3-Way Path F (90 deg.)	F	Mechanical SPDT 0.5A-125 VDC	C	Contact Moniteur for	
4-Way Path S (90 deg.)	S	PRISM SPDT Gold Plated 1A-24VDC	3	additional option codes	
180 degree T-port	1	ITW Mechanical DPDT 10A-250VAC	4	and custom requirements	
180 degree L-Port - OcOc	5	Tungsten TTL Prox 3A-125 VAC	2		
180 degree L-Port - OOcc	6	Rhodium TTL Prox 1A-24VDC	T		
ANSI Green / White	G	P&F NJ2-V3-N, NAMUR	8		
ANSI Blue / White	B	<u>Sensor Quantity</u>	1-4		
ANSI Red / White	R				