

### **The New Standard For Harsh Environments**

Moniteur's Survivor-II Valve Position Transmitter has been designed to provide the most visible and reliable valve position indication for hazardous areas rated Division 2. Molded from DuPont's SuperTough Zytel® Nylon with all-stainless steel trim, the SURVIVOR-II VPT will stand up to harsh washdowns and corrosives with ease. *Features Include:*

- ▶ Dual Potting Wells
- ▶ Stainless Steel Molded-In Inserts and Bearing
- ▶ 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.

### **Material Specifications**

- ▶ Enclosure - SuperTouch Zytel® Nylon with Molded-In 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 - 316 or 18-8 Stainless Steel
- ▶ O-rings - BUNA-N or Optional Viton
- ▶ Cams and Splines - Acetal

**DIV 2**

**NEMA 4**



**SuperTough Zytel Housing  
rated nema 4, 4x**

### **Industry Approvals: CSA**

Class I, Division 2, Groups A, B, C & D;  
Class II, Division 2, Groups E, F & G

### **Options**

- ▶ 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

- TTL Hermetically Sealed Proximity Switches



#### Electrical Ratings

Rhodium (DC Signals):  
1 A / 24VDC  
Tungsten (AC Signals):  
1 A / 30 VAC - 2 A / 24VDC  
Operating Temperature  
-40 to +175 °F

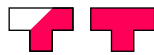
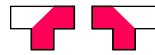
- Pepperl & Fuchs NJ2-V3-N NAMUR Inductive Sensors (Intrinsically Safe)



#### 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>R</b>	<b>M</b>	<b>Y</b>	<b>S</b>	<b>-</b>	<b>E</b>	<b>T</b>	<b>2</b>	<b>0</b>
Series	Cover	Indicator	Bearing		Shaft	Switch	Quantity	Conduit

Description	Code	Description	Code	Description	Code
<u>Series: Survivor-II</u>	R	<u>Bearing</u>		<u>Conduit Connection</u>	
Moniteur		303 Stainless w/Loc-Ring	S	2 - 1/2" F NPT	0
With Indicator	M	<u>Shaft</u>		3 - 1/2" F NPT	6
Flat Cover	F	Standard 303 SS	1	<u>Options</u>	
<u>Indicator Type (open/closed)</u>		Standard 316 SS W/ Dual O-Rings	3	Transmitter 4 - 20mA	- 420
No Indicator (Flat Cover)	N	Low Profile NAMUR 303 SS	5	Potentiometer 0 - 1k	- 1K
Black / Yellow (Standard)	Y	Low Profile NAMUR 316 SS W/ Dual O-Rings	7	All Viton Seals	-V
Green / Red	A	NAMUR 303 SS	E	12 Terminal Points	-12T
Red / Green	C	NAMUR 316 SS W/ Dual O-Rings	G	16 Terminal Points	-16T
0-100% Digital	P	<u>Switch/Sensor Type</u>		Double O-rings	-DR
3-Way Path O (90 deg.)	O	Tungsten TTL Prox 1A-30VAC, 2A-24VDC	2		
3-Way Path T (90 deg.)	T	Rhodium TTL Prox 1A-24VDC	T	Contact Moniteur for additional option codes and custom requirements	
3-Way Path F (90 deg.)	F	P&F NJ2-V3-N, NAMUR	8		
4-Way Path S (90 deg.)	S	<u>Sensor Quantity</u>	1-4		
180 degree T-port	1				
180 degree L-Port - OcOc	5				
180 degree L-Port - OOCC	6				
ANSI Green / White	G				
ANSI Blue / White	B				
ANSI Red / White	R				