



The Companion VPT NEO-X Series sensor is nothing less than a breakthrough in sensor technology. Using the latest magnetic sensing technology, Moniteur has developed a unique solid state AC/DC sensor that offers unparalleled accuracy, repeatability and cycle life. With NEO-X technology you get it all...the hazardous area ratings of an explosion-proof mechanical or reed switch with the reliability and repeatability only a solid state sensor can provide. Plus, our enhanced circuitry is able to resist current spikes that burn out ordinary inductive sensors.

The Companion NEO-X is constructed from 316 SS and designed to withstand tough corrosive environments and is designed for hazardous areas rated Class I and II, Division 1 and 2, All Groups.

### Applications

- \* End position monitoring of Linear-operated valves such as Knife-Gate and Globe valves
- \* Precise position monitoring of linear valves with travel less than 0.50"
- \* Corrosive or humid environments that routinely corrode exposed contacts
- \* Critical position monitoring applications requiring reliability, accuracy and higher cycle life - the absence of moving parts allows a virtually unlimited cycle life
- \* Today's advanced process control systems requiring stable, high quality sensor output
- \* Alarms for sea gates and bulkhead doors and submersible applications
- \* Rotary valves and actuators

### Specifications: NEO-X 2-wire Proximity Sensor

Output	NO (Normally Open)
AC Rating	0.3 A @ 250 VAC
DC Rating	0.3 A @ 250 VDC
Max. Inrush	2.0 A
Leakage Current	0.2 mA (AC/DC)
Voltage Drop	6.5 V @ 100 mA (AC/DC)
Voltage Range	12 - 250 VAC or VDC
Cycle Life	10 million cycles
Temperature Rating	-40 F to 175 F

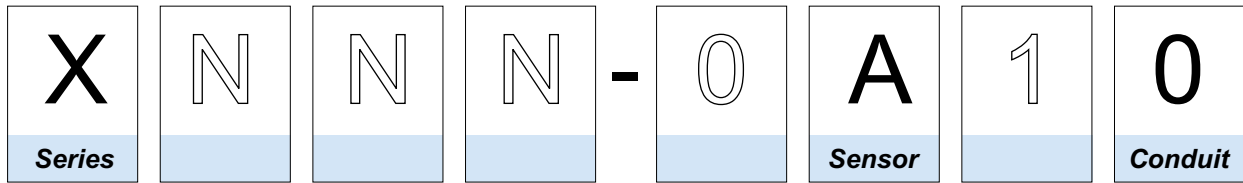


**pending**

Class I, II Division 1, All Groups

Please see the other side for additional specifications and ordering information

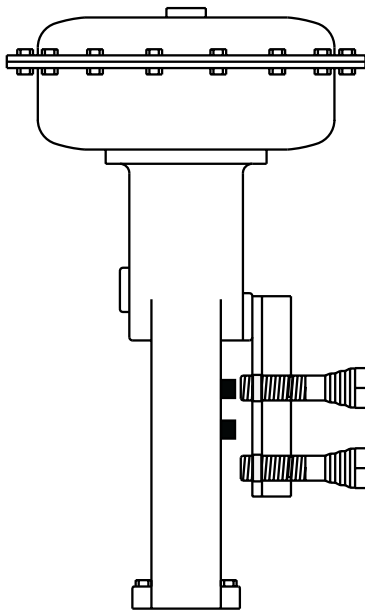
### Intelligent Part Numbering System



**Unit includes:** 316 SS body  
SS locking nuts  
36" Leads (2-wire)

Solid state sensor elements  
One SS trigger included

<u>Description</u>	<u>Code</u>	<u>Description</u>	<u>Code</u>
<b>Series: Companion</b>	X	<b>Sensor Type (1 sensor)</b>	
		NEO-X 0.3A 240 VAC/VDC	
		NO (Normally Open)	A
<b>Conduit</b>		NEO-X 1A 240 VAC	
M20 (metric)	M	NO (Normally Open)	B



### Specifications

Sensor Electronics	Solid State
Enclosure	316 SS
Sensing Range	1/8"
Trigger	Encapsulated Magnet
Temperature Range	-40 - 175 °F

### Dimensions

Switch Length	4.0"
Switch Body Head	1" Hex
Switch Thread	5/8 - 18 UNC (1.50" long)
Conduit Entry	1/2" NPT
Trigger Length	1.25"
Trigger Head	1/2" Hex
Trigger Thread	5/16 - 18 UNC (0.75" long)

### COMPANION NEO-X VPT Cutaway Drawing

