The dual inductive, 2-wire AC/DC Series VPS Valve Position Sensor maintains VDI/VDE 3845 dimensions so positioners can be easily mounted on top of the sensor and target. The Model VPS2411 Sensor and Model P1 Target mount easily and directly to actuators with ISO NAMUR topworks (see picture below). Fully adjustable target in 2° increments, the sensor has two independent LED’s and bright flow line indicator that provide local visual indication. All electrical connections are made with the Model VIP824-pin quick disconnect cable (6’ in length) for ease in installation. Solid state components are fully embedded in an epoxy resin to prevent condensation build-up and to protect against vibration and shock. The rugged PBTP housing provides excellent corrosion resistance and moisture protection.

**SPECIFICATIONS**
- **Temperature Limits:** -13 to 176°F (-25 to 80°C).
- **Power Requirements:** 20 to 140 VAC (50/60 Hz), 10 to 200 VDC.
- **Enclosure Material:** Polybutylene terephthalate.
- **Switch Type:** Dual NO.
- **Electrical Rating:** 200 mA.
- **Minimum Load Current:** 5 mA.
- **Leakage Current:** 0.8 mA.
- **Voltage Drop:** 5.0 V.
- **Repeatability:** 0.01 mm.
- **Hysteresis:** 3 to 15% of sensing range.
- **Switching Frequency:** 25 Hz.
- **Mounting Holes:** NAMUR mounting - 3.15” x 1.18” (80 x 30 mm) or 5.118” x 1.18” (130 x 30 mm).
- **Electrical Connection:** 4-pin quick disconnect.

| Model VPS2411, Valve Position Sensor | $133.00 |
| Model P1, Valve Position Target | $30.75 |
| Model VIP82, Quick Disconnect Cable | $25.75 |

**APPLICATIONS**
- Devices such as linear valves – actuators & cylinders – rotary valves – dampers.
- Solid state and in hazardous locations, be sure to check local and national electrical codes.

The dual inductive, 2-wire AC/DC Series VPS Valve Position Sensor is fully adjustable in 2° increments, the sensor has two independent LED’s and bright flow line indicator that provide local visual indication. All electrical connections are made with the Model VIP82. The rugged PBTP housing provides excellent corrosion resistance and moisture protection. The sensor is designed to NEMA 1, 3, 4, 4X, 6, 7, 9, 12 and 13.

**SPECIFICATIONS**
- **Temperature Limits:** -40 to 183°F (-40 to 73°C).
- **Switch Type:** Tungsten, SPDT, Form C.
- **Electrical Rating:** 3 A @ 125 VAC, 3 A @ 30 VDC.
- **Enclosure Rating:** Weatherproof; Hermetically sealed; Explosion-proof UL & CSA listed for Class I, Groups A, B, C, & D; Class II, Groups E, F & G. Divisions 1 & 2.
- **Intrinsically Safe:** Simple apparatus (w/barrier).
- **Operating/Response Time:** 3.0 m s.
- **Initial Contact Resistance:** 0.50 Ω (max).
- **Repeatability:** 0.005” (0.1 cm).
- **Hysteresis:** 0.030” (0.8 cm).

**APPLICATIONS**
- The detector is used for control element position monitoring and indication with devices such as linear valves – actuators & cylinders – rotary valves – dampers.
- Fully adjustable in 2° increments, the sensor has two independent LED’s and bright flow line indicator that provide local visual indication. All electrical connections are made with the Model VIP82.