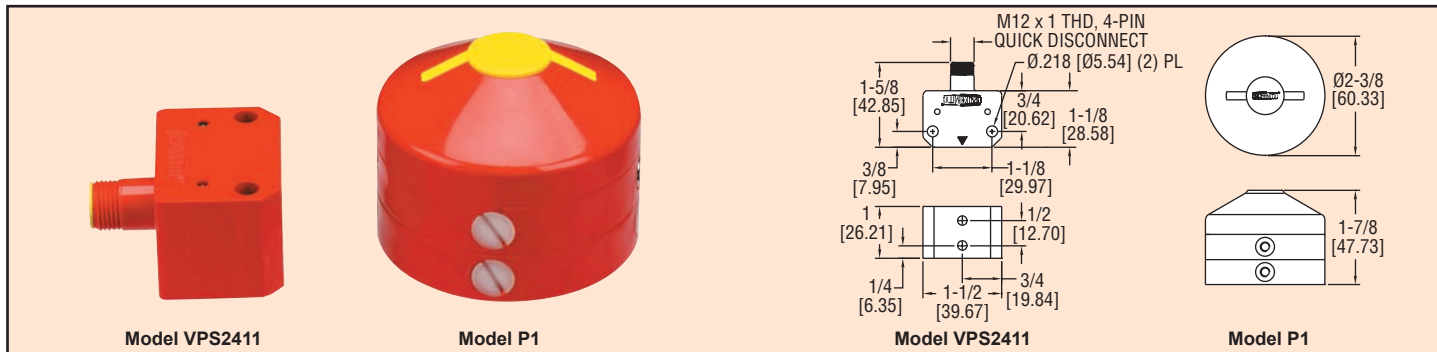




Series  
VPS

# Valve Position Sensor

## Dual Inductive, 2-Wire AC/DC Sensor, Fully Adjustable Target in 2° Increments



Model VPS2411

Model P1

Model VPS2411

Model P1

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 VIP82 4-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

Model P1, Valve Position Target

Model VIP82, Quick Disconnect Cable



Model VPS and P1 mounted on an actuator