

# POSITION INDICATORS

## For Normally Closed Solenoid Valves



**FEATURES:**

- Packless non-wetted enclosed operation
- Colored magnet shows valve-open position
- Clear high-strength polycarbonate housings
- Heavy-duty Normally Open Reed Switch (PS)
- Wide operating temperature range
- Teflon Housing for temperatures up to 400°F & Cryogenics \*\*
- Explosion-Proof Housing available for hazardous areas \*\*

**“PD” (POSITION DISPLAY) - VISUAL INDICATION ONLY**

**CONSTRUCTION:**

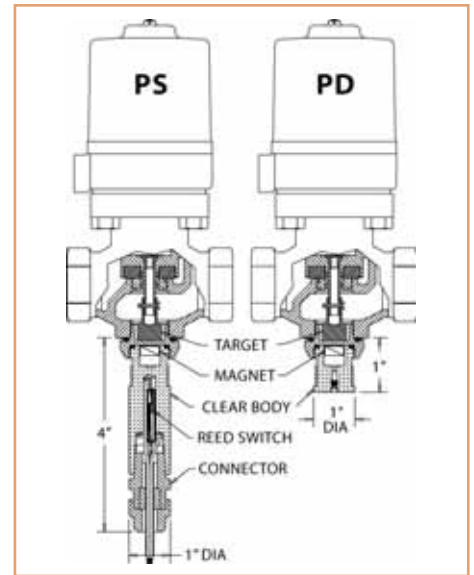
- Housing: Clear High-Strength Polycarbonate

**APPLICATION:**

- Visual Indication that valve is Open / Closed

**OPERATION:**

When the valve is in the closed position, a ferromagnetic “target” attached to the valve’s piston, lifts a green colored magnet into the adapter hiding it from view. When the valve is energized, (open position), the magnet drops down to a visible position.



**“PS” (POSITION SWITCH) - VISUAL INDICATION WITH SWITCH\*\***

**CONSTRUCTION:**

- Housing: Clear High-Strength Polycarbonate\*\*

**APPLICATION:**

- Visual Indication that valve is Open/Closed and Contact Closure (Switch)\*\*

\*\* (See alternate housing(s) below for High Temperature, Cryogenic and Explosion-Proof applications)

**OPERATION:**

When the valve is in the closed position, a ferromagnetic “target” attached to the valve’s piston, lifts a green colored magnet into the adapter hiding it from view. (The reed switch is in its normally open contact position). When the valve is energized, (open position), the magnet drops down to a visible position and closes the magnetically operated reed switch contacts. The reed switch is capable of switching both AC and DC, permitting direct control over a wide range, from low-level load to electromagnetic power load. It has a rated operational current 240 VAC 0.5 A, 115 VDC 0.3A and a minimum operational power of 24V 1mA. The switch is wired with 22 AWG conductors exiting through a liquid tight strain relief connector.

**Position Indicators for Normally Closed Valve Only\* Available on Type A, S, L, K, W & G Valves**

**NOTE: ONLY ONE BOTTOM MOUNTED OPTION CAN BE INSTALLED ON EACH VALVE\***

**To indicate Option when Ordering:**

Use Prefix “PD” for Position Display  
Use Prefix “PS” for Position Switch

**Example PS18A44** indicates a Position Switch mounted on a type 18A44 valve.

**\*For multiple switches and where a switch and a bottom mounted option are required, contact our Clark Cooper Div. (See bottom of Page 3).**

**\*\* ENCLOSURES & TEMPERATURE RATINGS**

Indicator Housings	Option	Application		Fluid Temperatures	Visual Indication
		Expl. Proof	NEMA 4 & 4X		
Clear High-Strength Polycarbonate	PD	Yes	Yes	-40°F To 280°F (137°C)	Yes
	PS	No			
Teflon Housing	PS	No	Yes	Up To 400°F (204°C) and Cryogenics	No
Explosion Proof Housing	PS	Yes	Yes	Up To 400°F (204°C) and Cryogenics	No

**MAGNATROL VALVE CORPORATION**