

# P605

## High Pressure High Set Point High Accuracy Pressure Switch

### OVERVIEW

The Whitman Controls P605 High Pressure High Set Point High Accuracy Pressure Switches are a line of severe application controls that can withstand massive pressure spikes from hydraulic systems. These switches can see pressure spikes to 9,000 psig without comprising switch integrity or functionality. They also afford the end user higher set points to complement more severe environments and low set point repeatability. The P605 switches feature adjustable Military or DIN electrical connectors plus numerous fitting options to meet any custom design.

### KEY FEATURES

- Higher set points to complement more severe environments
- Set point options: Factory set, field adjustable, or a combination
- Extensive operating temperature range
- Wide range of electrical interfaces available
- SPDT or SPST availability
- Extremely durable with the ability to withstand pressure spikes to 9,000 psig

### SPECIFICATIONS

- **Set Point Range:** 200 to 6,000 PSIG
- **Max System Pressure:** 9,000 PSIG
- **Temperature Range:** -65°F to +225°F (-54°C to +107°C)
- **Amps:** 5 Amps Max
- **Sensor Element:** Piston
- **Weight:** 7.0 oz (varies slightly with electrical interface selection)
- **Cycling:** Not to exceed 20 CPM
- **Wetted Parts:**  
**Limp Diaphragm:** Kapton  
**Seal:** Loctite #271  
**O-Ring:** Viton standard, Teflon available  
**Adapter/Fitting:** 303 Stainless steel  
**Standard Thread:** 1/4-18 NPT male  
**Optional Threads:** 1/8-27 NPT male, 7/16-20 UNF male



(Shown with DN Interface)

### SENSOR CODE AND PERFORMANCE CHARACTERISTICS

Table A			Table B	
SENSOR CODE	MAXIMUM SYSTEM PRESSURE*	SET POINT REPEATABILITY	SET POINT RANGE	
	PSIG	PSIG	DECREASING PSIG	INCREASING PSIG
0	3000	± 25.0	200.0 - 600.0	200.0 - 600.0
1	3000	± 50.0	400.0 - 1500.0	400.0 - 1500.0
2	6000	± 150.0	1250.0 - 2750.0	1250.0 - 2750.0
3	9000	± 300.0	2750.0 - 5000.0	3500.0 - 6000.0

\*Exceeding sensor capacity may cause shift in set point

CAUTION: Customer Media and environment must be compatible with construction materials as outlined above