

# P117G

## Stainless Steel Miniature Pressure Switch

### OVERVIEW

The Whitman Controls P117G Stainless Steel Miniature Pressure switches are sharp, highly versatile devices that can be used in hundreds of OEM and routine mechanical applications. There are numerous fitting and electrical connection options available including TB, TS, Military, and DIN Connectors.

### KEY FEATURES

- Miniature size
- Stainless steel body
- Set point options: Factory set, field adjustable, or a combination
- Extensive operating temperature range
- Wide range of electrical interfaces available
- SPDT or SPST availability

### SPECIFICATIONS

- **Set Point Range:** 0.80 to 500 PSIG
- **Proof Pressure:** 150% of sensor capacity
- **Temperature Range:** -65°F to +225°F (-54°C to +107°C)
- **Amps:** 5 Amps Max
- **Sensor Element:** Capsule
- **Weight:** 3.0 oz (varies slightly with electrical interface selection)
- **Cycling:** 3H/5H – Not to exceed 60 CPM, 10H/25H/50H – Not to exceed 20 CPM
- **Wetted Parts:**  
 Capsule: 17-7 PH  
 Seal: Loctite #271  
 Fitting: 303 Stainless steel  
 Standard Thread: 1/8-27 NPT male  
 Optional Threads: 1/4-18 NPT male  
 7/16-20 UNF male



(Shown with TB 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
3H	30	± 0.6	0.8 - 3.0	1.6 - 30.0
5H	50	± 1.0	2.0 - 48.0	3.0 - 50.0
10H	100	± 2.0	3.0 - 96.5	4.5 - 100.0
25H	250	± 5.0	7.5 - 242.5	9.7 - 250.0
50H	500	± 10.0	15.0 - 485.0	20.0 - 500.0

\*Exceeding sensor capacity may cause shift in set point

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