

# P119G

## Zinc Diecast Body Pressure Switch

### OVERVIEW

The Whitman Controls P119G Zinc Diecast Body Pressure Switches are the inexpensive version of the P117G and recommended for indoor OEM use. It is used as a pressure limit switch on X-Ray tubes and Cat Scan Tubes as well as a safety switch in numerous applications. The compact nature of these switches make them ideal for tight spaces. They are available with a cast in 1/4" NPT fitting as an option. There are also several electrical interface options available.

### KEY FEATURES

- Zinc Diecast 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:** 2.0 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  
 Body with Fitting:  
 Round body – Zamac 3, chromate finish  
 Hex body – ZA8, chromate finish
- **Standard Thread:** 1/8-27 NPT male



### SENSOR CODE AND PERFORMANCE CHARACTERISTICS

SENSOR CODE	Table A		Table B	
	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