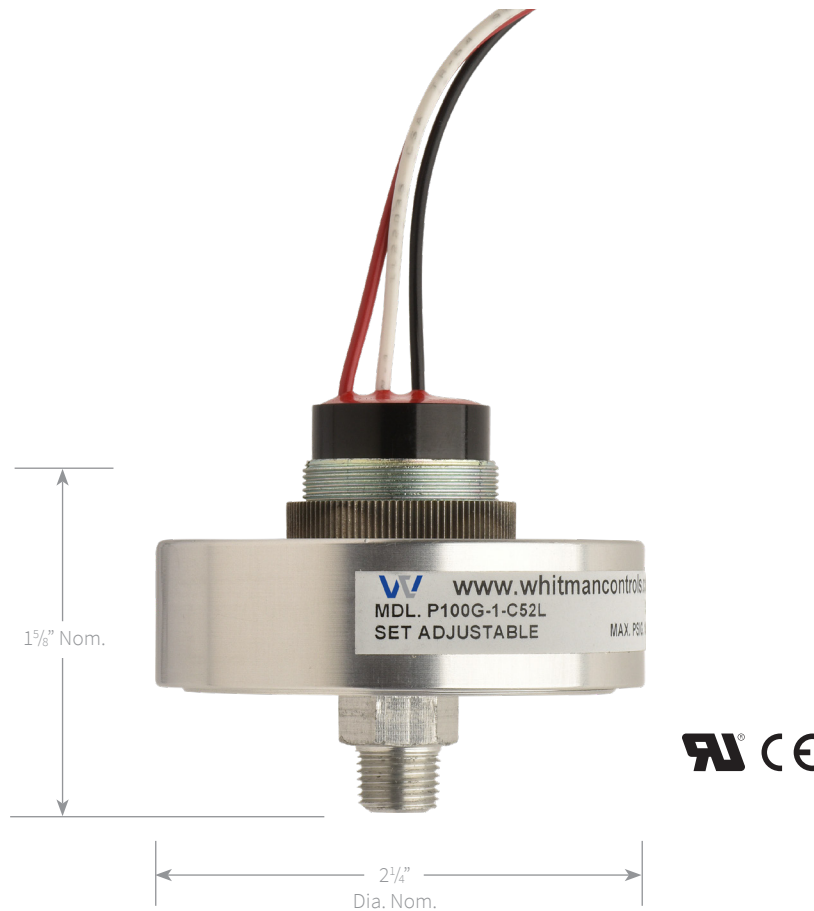


P100G

High Accuracy Low Pressure Environment Pressure Switch

OVERVIEW

The Whitman Controls P100G High Accuracy Low Pressure Environment Pressure switches are ideal in light pressure applications where precision of setpoint must be high and repeatability low. These switches are commonly used in natural gas well heads, natural gas generator sets, and air applications like forced draft blowers. The P100G can be used both in dry indoor applications or within an enclosure.



KEY FEATURES

- Highly accurate setpoints and repeatability
- 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:** See Table A
- **Max System Pressure:** 15 PSIG
- **Temperature Range:** -65°F to +190°F (-54°C to +88°C)
- **Amps:** 5 Amps Max
- **Sensor Element:** Diaphragm
- **Weight:** 7.8 oz (varies slightly with electrical interface selection)
- **Cycling:** Not to exceed 100 CPM
- **Wetted Parts:**
Diaphragm: Buna N with 316 stainless steel reinforcing
Seal: Loctite #271
Body: Anodized aluminum
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						
							DECREASING			INCREASING			
	PSIG	Inches Hg	Inches H ₂ O	PSIG	Inches Hg	Inches H ₂ O	PSIG	Inches Hg	Inches H ₂ O	PSIG	Inches Hg	Inches H ₂ O	
1	15.0	-	-	± 0.03	-	-	0.10 - 14.27	-	-	-	0.15 - 15.0	-	-
1	-	30.54	-	-	± 0.06	-	-	0.21 - 29.06	-	-	0.31 - 30.54	-	-
1	-	-	415.2	-	-	± 0.8	-	-	-	2.75 - 395.03	-	-	4.15 - 415.2

*Exceeding sensor capacity may cause shift in set point

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