

P110 Standard Pressure Switch

Technical Specifications

No.	Name	Requirements
1	Activation Point Range	1.0 - 500 PSI
2	Activation Point Tolerance	See Table IV
3	Temperature Range	-65° F to + 225° F
4	Leak Rate	≤1.0 x 10 ⁻³ cc/min Air
5	Weight	3.5 oz (typical with 12 inch "W3" electrical interface)

Electrical Rating

Max. Amp Rating	Volts AC/DC	Amp Resistive	Amp Inductive	Contact Material
1	115/28	1/1	1/0.5	Gold
5	250/28	5/5	5/3	Silver
7	250/28	7/7	7/4	Silver

Material Specifications P110

Wetted		Non Wetted	
Body/Fitting	300 Series Stainless Steel	Electrical Interface	Steel (zinc chromate finish)
Locking Compound	Loctite 277	Lock Ring	Steel (zinc chromate finish)
O-Ring	Buna N, other compounds available		
Sensor	17-7PH Stainless Steel and 300 Series Stainless Steel		



Standard

V110 Standard Vacuum Switch

Technical Specifications

No.	Name	Requirements
1	Activation Point Range	1.5 - 29.5 inHg
2	Activation Point Tolerance	See Table V
3	Temperature Range	-65° F to + 225° F
4	Leak Rate	≤1.0 x 10 ⁻³ cc/min Air
5	Weight	3.5 oz (typical with 12 inch "W3" electrical interface)

Electrical Rating

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O-Ring	Buna N, other compounds available		
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Pressure Switch Adjustment (if field adjustable)

This model may be adjusted by loosening the Lock Ring and turning the electric switch housing counter clockwise to raise the activation point, clockwise to lower the activation point. Holding the electric switch housing in position, tighten the Lock Ring and check the activation point. Repeat preceding adjustment instructions if necessary.

Vacuum Switch Adjustment (if field adjustable)

This model may be adjusted by loosening the Lock Ring and turning the electric switch housing clockwise to raise the activation point, counter clockwise to lower the activation point. Holding the electric switch housing in position, tighten the Lock Ring and check the activation point. Repeat preceding adjustment instructions if necessary.

Note: V110 Series sensor will be damaged if positive pressure is applied

Operating Pressure Range and Standard Tolerances

Table IV - Positive Pressure Activation Points P110 Series

Sensor	Max Operating Pressure (PSI)	Activation Point Range (PSI)	Activation Point Tolerance (±) (PSI)	Reset Band (PSI)
3	30	1 - 30	± 0.7	0.7 - 2.3
5	125	3 - 125	± 2.0	1.3 - 3.8
8	250	8 - 250	± 5.0	2.0 - 10.0
15	500	18 - 500	± 10.0	5.0 - 21.0

Custom specifications available

Operating Vacuum Range and Standard Tolerances

Table V - Vacuum Activation Points V110 Series

Sensor	Max Operating Pressure (inHg)	Activation Point Range (inHg)	Activation Point Tolerance (±) (inHg)	Reset Band (inHg)
3	30.0	1.6 - 29.5	± 1.5	1.0 - 4.6
5	30.0	6.0 - 29.5	± 4.0	1.4 - 7.6

Custom specifications available