

Vacuum and Low Pressure Explosion Proof Pressure Switch

8WPS &
8WPSV

Electronic
Pressure Switches



Description & Features:

- Heavy-duty Explosion-proof pressure switch
- Vacuum pressure to 10 psi
- High current ratings for 1 x SPDT or 2 x SPDT switches
- Fixed deadband
- Die cast aluminum construction with welded seal
- 1% accuracy
- IP68 rated including Hermetically sealed option
- cULus listed and RU recognized
- CRN registration pending
- 5 year warranty

Applications:

- Suitable for vacuum and low pressure applications in hazardous areas including natural gas monitoring and control



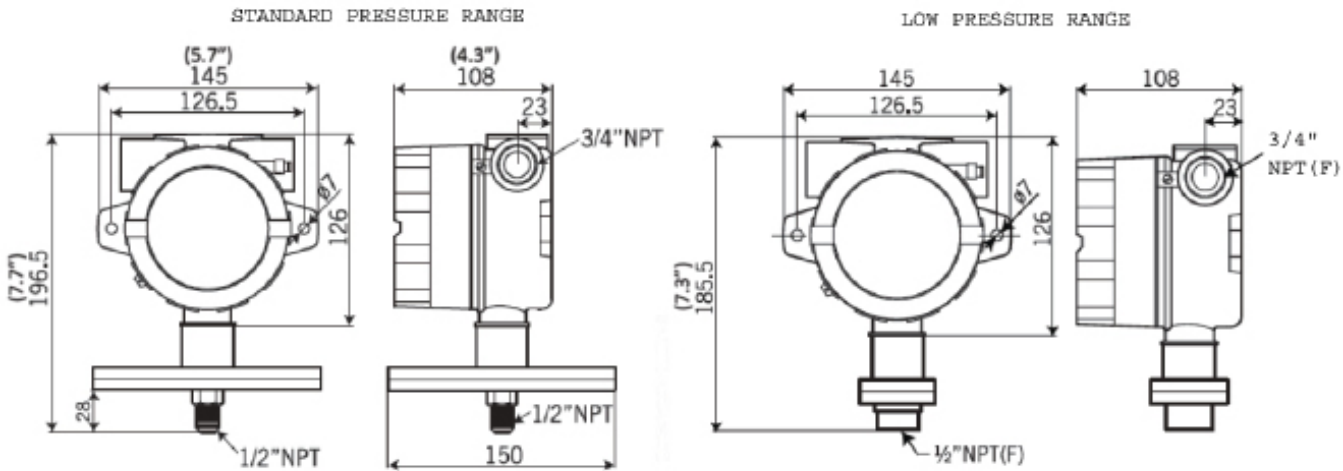
Specifications

Housing	Heavy-duty explosion-proof die-cast aluminum, blue colour
Accuracy	+/- 1% of the adjustable set-point range
Pressure Connection	1/4" or 1/2" NPT, BSP and M20xP1.5
Electrical Connection	Female 1/2" or 3/4" NPT, M20xP1.5
Wetted Parts	316 Stainless Steel welded (except for Vacuum range, Viton o-ring)
Set Point Adjustment	Field selectable
Deadband	Fixed, see Order Codes
Contact Ratings	Fixed Deadband: 15A @ 125/250VAC, 0.4A @ 125VDC, 3A @ 30VDC Hermetically sealed switch 5A @ 250VAC Gold contact microswitch 1A @ 125/250VAC Adjustable Deadband: 20A @ 125/250/480VAC, 5A @ 125VDC
No. of Contacts	1 x SPDT or 2 x SPDT (only 1 x SPDT available for Adjustable Deadband range)
Ambient/Process Temperature	-30 to 205 deg C (-22 to 400 deg F), Vacuum range only -5 to 150 deg C (23 to 300 deg F)
Enclosure Rating	IP68 Protection from dust ingress and submersion in fresh water to a maximum depth of 1.5 metres for up to 30 minutes
Approvals	cULus listed, Class I Division 1 Groups A, B, C & D; Class II Division 1 Groups E, F & G (housing) RU recognized, file no E12252 (switch) CRN registration pending
Weight	3.95 lbs (1.79 kg)

Order Codes

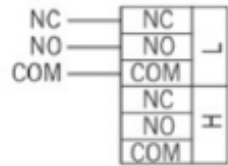
Adjustable Range PSI	Fixed Dead Band PSI	Proof Pressure PSI	3/4" NPT Electrical	
			1/4" NPT Process	1/2" NPT Process
-25 to -760 mmHg (-1.0 to -30" Hg)	10-20 mmHg (0.39 to 0.79" Hg)	1,000	8WPSV1306F4F301U	8WPSV1306F2F301U
0.05-1.8	0.015-0.3	500	8WPS0016F4F301U	8WPS0016F2F301U
0.4-2.8	0.2-0.5	500	8WPS0106F4F301U	8WPS0106F2F301U
0.4-5.0	0.3-0.6	500	8WPS0206F4F301U	8WPS0206F2F301U
1.6-9.8	0.3-0.8	500	8WPS0306F4F301U	8WPS0306F2F301U

Dimensions

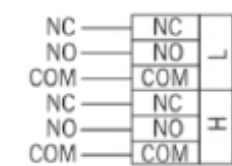


Wiring Schematic

1 x SPDT



2 x SPDT



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