

Medium Pressure, Explosion Proof And Adjustable Deadband Pressure Switch

7WPS &
7WPSA



Description & Features:

- Heavy-duty Explosion-proof pressure switch
- Low pressure to 100 psi
- High current ratings for 1 x SPDT or 2 x SPDT switches
- Fixed or adjustable deadband options
- 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:

- Designed for hazardous areas including Oil & Gas, Petrochemical, Power Generation, Waste Water and others



Switches with UL & CSA
Recognized and File No.
E12252.



Specifications

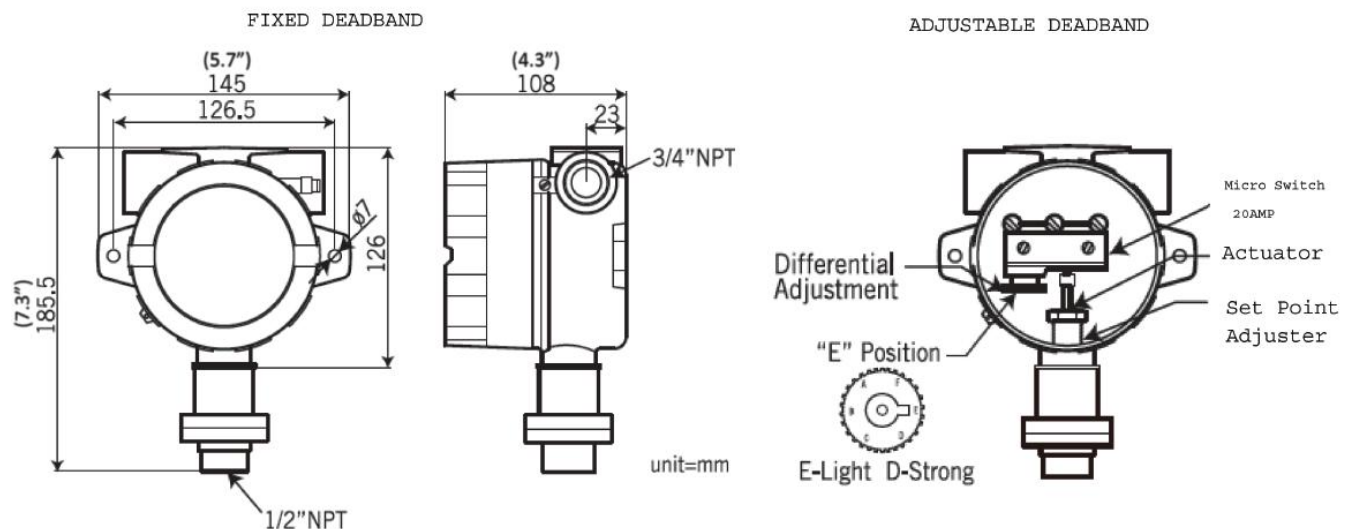
Specifications	
Housing	Heavy-duty explosion-proof die-cast aluminum, blue colour
Accuracy	+/- 1% of the adjustable set-point range
Pressure Connection	Female 1/4" or 1/2" NPT, BSP and M20xP1.5
Electrical Connection	Female 1/2" or 3/4" NPT, M20xP1.5
Wetted Parts	316 Stainless Steel welded
Set Point Adjustment	Field selectable
Deadband	Fixed or Adjustable, see Order Codes
Contact Rating	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)
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 only) CRN registration pending
Weight	3.95 lbs (1.79 kg)

Order Codes

Adjustable Range PSI	Fixed Dead Band Per Switch Type, PSI		Proof Pressure PSI	Micro Switch Option with 3/4" NPT Electrical	
	Micro	Hermetically Sealed		1/4" NPT Process	1/2" NPT Process
2-12	0.2-0.4	0.7-1.4	1,000	7WPS0016F4F301U	7WPS0016F2F301U
2-16	0.2-0.5	0.7-1.8	1,000	7WPS0106F4F301U	7WPS0106F2F301U
2-20	0.3-0.6	1.1-2.1	1,000	7WPS0206F4F301U	7WPS0206F2F301U
3-28	0.3-0.8	1.1-2.8	1,000	7WPS0306F4F301U	7WPS0306F2F301U
7-100	0.7-2.0	2.5-7.0	1,000	7WPS0406F4F301U	7WPS0406F2F301U

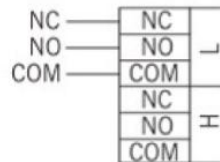
Adjustable Range PSI	Adjustable Dead Band E-position PSI	Proof Pressure PSI	3/4" NPT Electrical	
			1/4" NPT Process	1/2" NPT Process
2-12	1.2-3	1,000	7WPSA0016F4F301U	7WPSA0016F2F301U
2-16	1.6-4	1,000	7WPSA0106F4F301U	7WPSA0106F2F301U
2-20	2-5	1,000	7WPSA0206F4F301U	7WPSA0206F2F301U
3-28	2.8-7	1,000	7WPSA0306F4F301U	7WPSA0306F2F301U
7-100	9.9-28.4	1,000	7WPSA0406F4F301U	7WPSA0406F2F301U

Dimensions

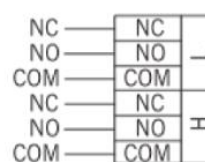


Wiring Schematic

1 x SPDT



2 x SPDT



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