

# General Purpose and Adjustable Deadband Pressure Switch

2WPS &  
2WPSA



## Description & Features:

- General Purpose, watertight pressure switch
- Low pressure to 4,000 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
- NEMA 4, 4X & IP66 rated
- cRU recognized (switch only)
- CRN registration pending
- 5 year warranty

## Applications:

- Suitable for pump and compressor monitoring, HVAC systems and general industrial applications.

## Specifications

<b>Housing</b>	Heavy-duty die-cast aluminum, blue colour
<b>Accuracy</b>	+/- 1% of the adjustable set-point range
<b>Pressure Connection</b>	Female 1/4" or 1/2" NPT, BSP and M20xP1.5
<b>Electrical Connection</b>	Female 1/2" or 3/4" NPT, M20xP1.5
<b>Wetted Parts</b>	316 Stainless Steel welded
<b>Set Point Adjustment</b>	Field selectable
<b>Deadband</b>	Fixed or Adjustable, see Order Codes below
<b>Contact Rating</b>	Fixed Deadband: 15A @ 125/250VAC, 0.4A @ 125VDC, 3A @ 30VDC Gold contact microswitch 1A @ 125/250VAC  Adjustable Deadband: 20A @ 125/250/480VAC, 5A @ 125VDC
<b>No. of Contacts</b>	1 x SPDT or 2 x SPDT (only 1 x SPDT available for Adjustable Deadband range)
<b>Ambient/Process Temperature</b>	-30 to 205 deg C (-22 to 400 deg F)
<b>Enclosure Rating</b>	NEMA 4 & 4X, IP66 Protection against liquid and solid ingress, suitable for indoor or outdoor use and resistant to corrosion
<b>Approvals</b>	CRU recognized (switch only) file #E12252, CRN registration pending
<b>Weight</b>	3.4 lbs (1.54 kg)

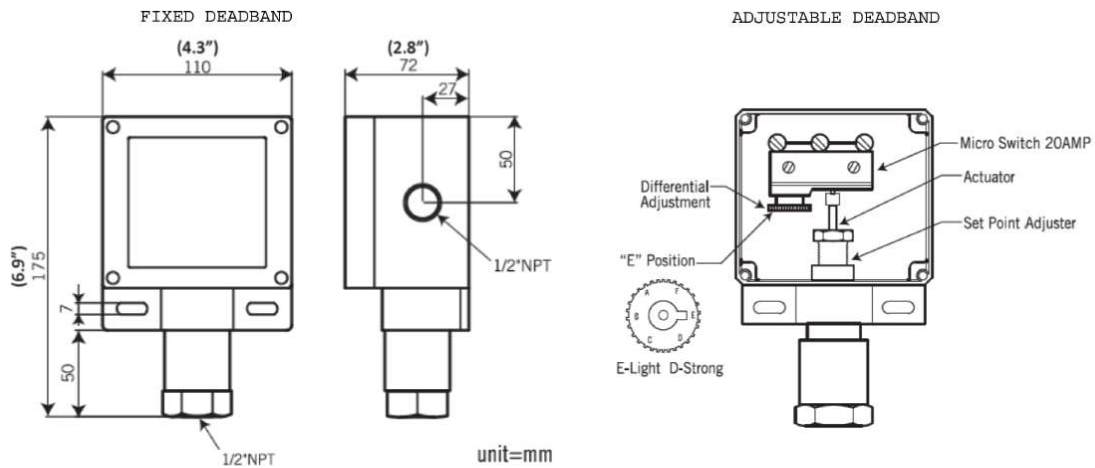
# General Purpose and Adjustable Deadband Pressure Switch

## Order Codes

Adjustable Range PSI	Fixed Dead Band PSI	Proof Pressure PSI	1/2" NPT Electrical	
			1/4" NPT Process	1/2" NPT Process
10-100	2.8-6.4	3,000	2WPS0106F4F201	2WPS0106F2F201
35-200	4.3-7.0	3,000	2WPS0206F4F201	2WPS0206F2F201
50-300	4.3-7.0	3,000	2WPS0306F4F201	2WPS0306F2F201
100-600	5.0-15	3,000	2WPS0606F4F201	2WPS0606F2F201
100-1,300	14.2-56.8	3,000	2WPS1306F4F201	2WPS1306F2F201
300-2,400	14.2-71	4,000	2WPS2406F4F201	2WPS2406F2F201
400-4,000	23.6-117.9	5,000	2WPS4006F4F201	2WPS4006F2F201

Adjustable Range PSI	Adjustable Dead Band E-position PSI	Proof Pressure PSI	1/2" NPT Electrical	
			1/4" NPT Process	1/2" NPT Process
10-100	10-25	3,000	2WPSA0106F4F201	2WPSA0106F2F201
35-200	12-30	3,000	2WPSA0206F4F201	2WPSA0206F2F201
50-300	28-50	3,000	2WPSA0306F4F201	2WPSA0306F2F201
100-600	28-60	3,000	2WPSA0606F4F201	2WPSA0606F2F201
200-1,300	42-100	3,000	2WPSA1306F4F201	2WPSA1306F2F201

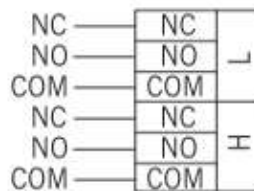
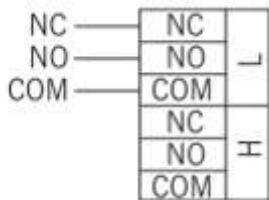
## Dimensions



## Wiring Schematic

1 x SPDT

2 x SPDT



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## Engineering Code (how to order)

SERIES  
PRESSURE RANGES (PSI)

	Pressure Range		Deadband	Proof Pressure PSI
	Min	Max		
Fixed Deadband	10	100	2.8-6.4	3,000
	35	200	4.3-7.0	3,000
	50	300	4.3-7.0	3,000
	100	600	5.0-15	3,000
	100	1,300	14.2-56.8	3,000
	300	2,400	14.2-71	4,000
Adjustable Deadband	400	4,000	23.6-117.9	5,000
	10	100	10-25	3,000
	35	200	12-30	3,000
	50	300	28-50	3,000
	100	600	28-60	3,000
	200	1,300	42-100	3,000

WETTED PARTS

PROCESS CONNECTION

CONDUIT CONNECTION

SWITCH TYPE

OPTIONS

316 Stainless Steel, diaphragm welded (standard)

1/2" NPT Female  
1/4" NPT Female  
1/2" BSP Female  
1/4" BSP Female  
1/2" PT Female  
1/4" PT Female  
M20 X P1.5  
3/4" NPT Female  
1/2" NPT Female (standard)  
M20 X P1.5

Micro Switch, 1 x SPDT  
Micro Switch, 2 x SPDT (one setpoint), *not available for Adjustable Deadband*  
Gold Contact, 1 x SPDT, *not available for Adjustable Deadband*  
Gold Contact, 2 x SPDT (one setpoint), *not available for Adjustable Deadband*

Custom Pressure Scale (R1=psi, R2=kPa, R3=kg/cm2, R4=cmH2O, R5=ftH2O, R6=inHg, R7=mmHg, R8=inH2O, R9=oz/N2, R10=ATM, R11=bar, R12=mbar, R13=MPa, R14=mH2O, R15=mmH2O, R16=Pa)

Customer Specific (Numbers from Z01 to Z999)

