

Medium Pressure and Adjustable Deadband Pressure Switch



Description & Features:

- General Purpose, watertight 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
- NEMA 4, 4X & IP66 rated
- cRU recognized (switch only), file no E12252
- CRN registration pending
- 5 year warranty

Applications:

- Suitable for pump & compressor monitoring in HVAC and general industrial applications

Specifications

Specifications	
Housing	Heavy-duty 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 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	NEMA 4 & 4X, IP66 Protection against liquid and solid ingress, suitable for indoor or outdoor use and resistant to corrosion
Approvals	cRU recognized, file no E12252 (switch only) CRN registration pending
Weight	3.35 lbs (1.52 kg)

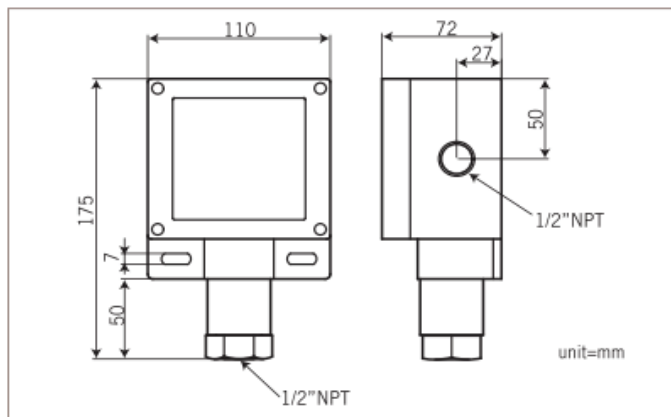
Medium Pressure and Adjustable Deadband Pressure Switch

4WPS &
4WPSA

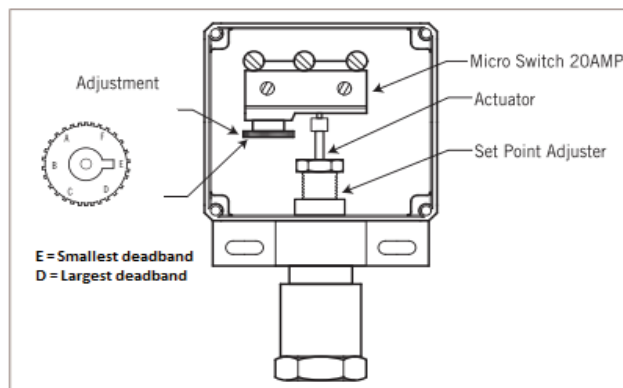
Adjustable Range PSI	Fixed Dead Band PSI	Proof Pressure PSI	1/2" NPT Electrical	
			1/4" NPT Process	1/2" NPT Process
2-12	0.2-0.4	1,000	4WPS001F4F201	4WPS001F2F201
2-16	0.2-0.5	1,000	4WPS010F4F201	4WPS010F2F201
2-20	0.3-0.6	1,000	4WPS020F4F201	4WPS020F2F201
3-28	0.3-0.8	1,000	4WPS030F4F201	4WPS030F2F201
7-100	0.7-2.0	1,000	4WPS040F4F201	4WPS040F2F201

Adjustable Range PSI	Adjustable Dead Band E-Position PSI	Proof Pressure PSI	1/2" NPT Electrical	
			1/4" NPT Process	1/2" NPT Process
2-12	1.2-3	1,000	4WPSA001F4F201	4WPSA001F2F201
2-16	1.6-4	1,000	4WPSA010F4F201	4WPSA010F2F201
2-20	2-5	1,000	4WPSA020F4F201	4WPSA020F2F201
3-28	2.8-7	1,000	4WPSA030F4F201	4WPSA030F2F201
7-100	9.9-28.4	1,000	4WPSA040F4F201	4WPSA040F2F201

Fixed Deadband

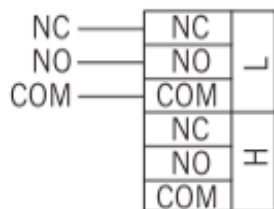


Adjustable Deadband

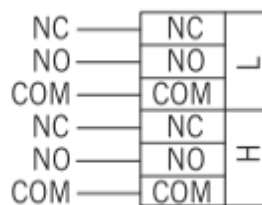


Wiring Diagram

1 x SPDT



2 x SPDT



Medium Pressure and Adjustable
Deadband Pressure Switch

Engineering Code (how to order)

SERIES
PRESSURE RANGES (PSI)

Fixed Deadband

Adjustable Deadband

WETTED PARTS
PROCESS CONNECTION

CONDUIT CONNECTION

SWITCH TYPE

OPTIONS

Pressure Range		Deadband	Proof Pressure PSI
Min	Max		
2	12	0.2-0.4	1,000
2	16	0.2-0.5	1,000
2	20	0.3-0.6	1,000
3	28	0.3-0.8	1,000
7	100	0.7-2.0	1,000
2	12	1.2-3	1,000
2	16	1.6-4	1,000
2	20	2-5	1,000
3	28	2.8-7	1,000
7	100	9.9-28.4	1,000

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, 1x SPDT

Micro Switch, 2x SPDT (one setpoint), not available for Adjustable Deadband

Gold Contact, 1x SPDT, not available for Adjustable Deadband

Gold Contact, 2x 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/in², R10=ATM, R11=bar, R12=mbar, R13=MPa, R14=mH₂O, R15=mmH₂O, R16=Pa)

Customer Specific (Numbers from Z01 to Z999)

4WPS - - - - -

0 0 1

0 1 0

0 2 0

0 3 0

0 4 0

4WPSA - - - - -

0 0 1

0 1 0

0 2 0

0 3 0

0 4 0

6

F 2

F 4

B 2

B 4

P 2

P 4

M 2

F 3

F 2

M 2

0 1

0 2

3 A

3 B

R X X X

Z # # #