

## MECHANICAL PRESSURE SWITCH



PS

Reotemp's Mechanical Pressure Switches are suited for a variety of process applications where electrical devices must be turned on or off, in response to changing process pressure.



Diaphragm Seal  
Compatible

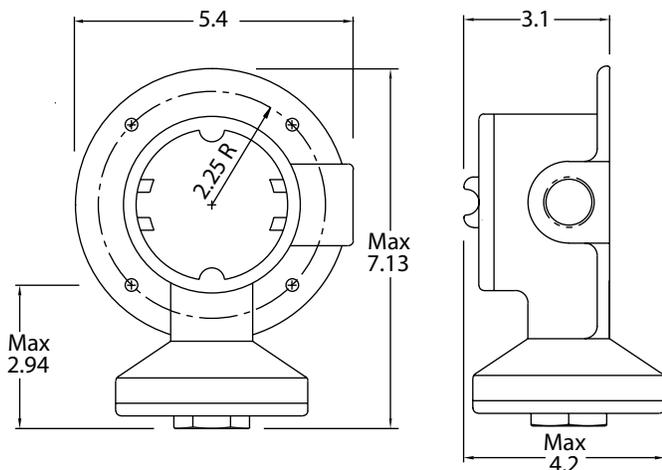
### FEATURES / BENEFITS

- Reliable Piston-Actuated, Force Balanced Construction
- Rugged, High Cycle Rate Tolerance
- Precise Resolution of Set Points
- Field-adjustable Set Points
- Simple Installation Requiring no Special Tools
- Long Service Life - no Required Periodic Service, no Spare Parts Required
- UL, CSA Certified Switching Elements

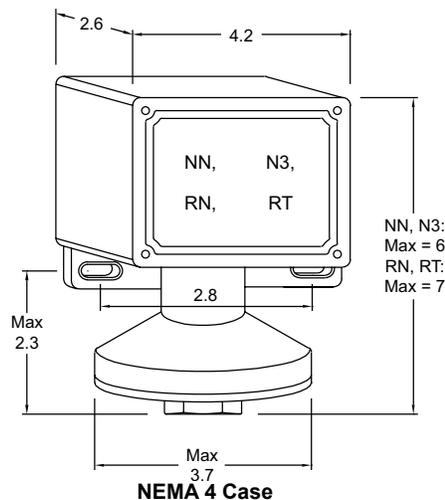
### SPECIFICATIONS

<b>Switching Elements</b>	SPDT or DPDT
<b>Current Capacity</b>	15A at 250VAC; 5A at 30VDC
<b>Housing</b>	NEMA4, 4X, or Explosion Proof (Class. 1, Group C&D; Class. 2, Group E,F,G, Division 1,2)
<b>Electrical Outlet</b>	3/4" Female NPT
<b>Adjustable Setpoints</b>	From full vacuum to 550 psi.
<b>Wetted Diaphragm</b>	Teflon/Buna, 316SS/Viton.
<b>Wetted Pressure Points</b>	316SS, Aluminum, Cast Iron
<b>Repeatability</b>	1% per ISA/ANSI S51.1
<b>Overrange</b>	200 psi to 1,500 psi
<b>Warranty</b>	3 years

**Note:** Specifications are for standard switches shown on next page. A wide variety of alternative housings, ranges, switches, wetted parts and options are available.



Explosion Proof Case



NEMA 4 Case

## MECHANICAL PRESSURE SWITCH

**HOW TO ORDER:** Choose options to build a part number. For example: **PS1264N3KM4C1-YY**

**PS1264**

**N3**

**K**

**M4**

PRESSURE RANGE (SET POINT MUST BE WITHIN RANGE)					HOUSING	SWITCH	DIAPHRAGM
Overrange	Proof	Code	Range	Typical Dead Band (At Midpoint)	<p><i>Weather Tight NEMA 4, 4X, IP65</i></p> <p><b>NN</b> = Aluminum, One Outlet (R)</p> <p><b>N3</b> = Aluminum, Two Outlets (L+R)</p> <p><b>RN</b> = Aluminum, with 6-place Terminal Block, One Outlet (R)</p> <p><b>RT</b> = 316SS, with 6-place Terminal Block, One Outlet (R)</p> <p><i>Explosion Proof (Class 1, Group C&amp;D; Class II, Group E,F&amp;G, Division. 1,2</i></p> <p><b>L</b> = Cast Iron, One Outlet (R), Housing is Weather Tight with CG Option (If selecting the KK switch, select housing code <b>LC</b>, <b>LC</b> Housing is Copper-free aluminum.)</p>	<p><i>Switches are 15A@250VAC, 5A@30VDC</i></p> <p><b>K</b> = Single (SPDT)</p> <p><b>KK</b> = Dual (DPDT), 6x Dead Band Multiplier</p>	<p><b>N4</b> = Teflon Coated Polyamide with Buna O-ring</p> <p><b>M4</b> = 316SS with Viton O-ring (Required with 56- ranges)</p>
<i>Pressure</i>							
200 psi	400 psi	<b>PS1264</b>	2.5-45 INWC	0.8 INWC			
		<b>PS1220</b>	0.4-2 psi	0.1 psi			
		<b>PS1250</b>	0.75-12 psi	0.1 psi			
750 psi	1000 psi	<b>PS0440</b>	2-25 psi	0.3 psi			
		<b>PS0450</b>	3-50 psi	0.4 psi			
1500 psi	2500 psi	<b>PS0630</b>	12-100 psi	0.9 psi			
		<b>PS0650</b>	20-180 psi	1.4 psi			
		<b>PS0530</b>	25-240 psi	2.2 psi			
		<b>PS0545</b>	45-550 psi	3.9 psi			
<i>Vacuum</i>							
750 psi	1000 psi	<b>PS5418</b>	-30" Hg	0.5 Hg			
<i>Compound</i>							
200 psi	400 psi	<b>PS5217</b>	-40/0/40 INWC	1.1 INWC			
1500 psi	2500 psi	<b>PS5626</b>	-30 Hg/0/10 psi	1" Hg/.5 psi			
		<b>PS5636</b>	-30 Hg/0/80 psi	1.4" Hg/.7 psi			

TRANSMITTERS

**C1**

**-YY**

PRESSURE PORT	OPTIONS
<p>316SS</p> <p><b>C1</b> = 1/4" Female NPT</p> <p><b>C2</b> = 1/2" Female NPT</p> <p><i>Sanitary 3A Tri-Clamp, Max. 600 psi with Standard Clamp</i></p> <p><b>C8</b> = 1 1/2" Tri-Clamp (Ranges 05-, 06-, 56-)</p> <p><b>C9</b> = 2" Tri-Clamp (Ranges 04-, 05-, 06-, 54-, 56-)</p> <p><i>Aluminum (Available on ranges beginning: 12, 04, 52, 54)</i></p> <p><b>B1</b> = 1/4" Female NPT</p> <p><b>B2</b> = 1/2" Female NPT</p> <p><i>Cast Iron (Available on ranges beginning 06, 05, 56)</i></p> <p><b>F1</b> = 1/4" Female NPT</p> <p><b>F2</b> = 1/2" Female NPT</p>	<p><b>-MM</b> = Vacuum Protector Plate (Standard with Vacuum + Compound Range)</p> <p><b>-CG</b> = Cemented Cover Gasket</p> <p><b>-YY</b> = Exterior Epoxy Coating</p> <p><b>-TS</b> = Stainless Steel Tag (1-10 Characters)</p> <p><b>-SP</b> = Specify Set Point (Set by Factory, N/C)</p> <p>Example: SP 50A = 50 psi Ascending. If set point is not specified, factory will set at mid point.</p> <p><b>-C1</b> = 1 Point Calibration</p>
Wetted	

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