

Mechanical Pressure Switch

- Adjustable switch point
- Pressure ranges from 435 to 2,900 PSI
- Rated for 1 million mechanical cycles
- Temperature ranges from -40°F to 212°F (-40°C to 100°C)
- Housings in stainless steel and zinc plated steel
- SPDT contacts in silver cadmium alloy rated for 4A at 250VAC / 42VDC
- Up to IP67



About

The P410 is a rugged plunger-type mechanical pressure switch designed to monitor and respond to pressure thresholds in demanding mechanical environments. Built with a user choice of zinc-plated steel or stainless steel, and featuring SPDT silver cadmium alloy contacts, it supports voltages up to 250 VAC and 42 VDC. This switch accommodates working pressure inputs from 435 PSI to 2,900 PSI and can withstand up to 8,702 PSI burst pressures. Available in a wide variety of pressure and electrical ports, the P410 is a popular choice for OEM's requiring low, medium and high quantity volumes at budgetary friendly price points.

Applications

- ✓ HVAC & Refrigeration
- ✓ Automation Controls
- ✓ Water Management
- ✓ Hydraulics
- ✓ Pneumatics
- ✓ Equipment Builders
- ✓ Skid Packages
- ✓ More

Build Your Part Number

Series P410

Example: P4102RFZ5LC92030

Series

P410

Pressure Range - select one

	PSI	Bar
1	435 ... 1,450 ± 72 PSI	30 ... 100 ±5 bar
2	725 ... 2,175 ± 145 PSI	50 ... 150 ±10 bar
3	1,450 ... 2,900 ± 217 PSI	100 ... 200 ±15 bar

Switch Point Direction - select one

R	Increasing pressure
D	Decreasing pressure

Diaphragm - select one

N	NBR
F	FKM
E	EPDM

Body Material - select one

Z	Zinc Plated Steel
S	Stainless Steel

Process Connection - select one

5A	1/8" NPT male
5C	1/4" NPT male
5G	7/16"-20 UNF male (SAE 4)
5L	9/18"-18 UNF male (SAE6)
5M	G 1/8" Male
5N	G 1/4" Male
5Q	G 1/2" Male
5P	G 3/4" Female

Electrical Termination - select one (refer to page 3)

D	DIN 43650A (includes field wire able female mating connector)
F	Faston Spades
C	Integrated cable (non removable)

Factory Set Point - please provide in psi

XX	Ex: 920 = 920 psi
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Integrated Cable length - only for option C

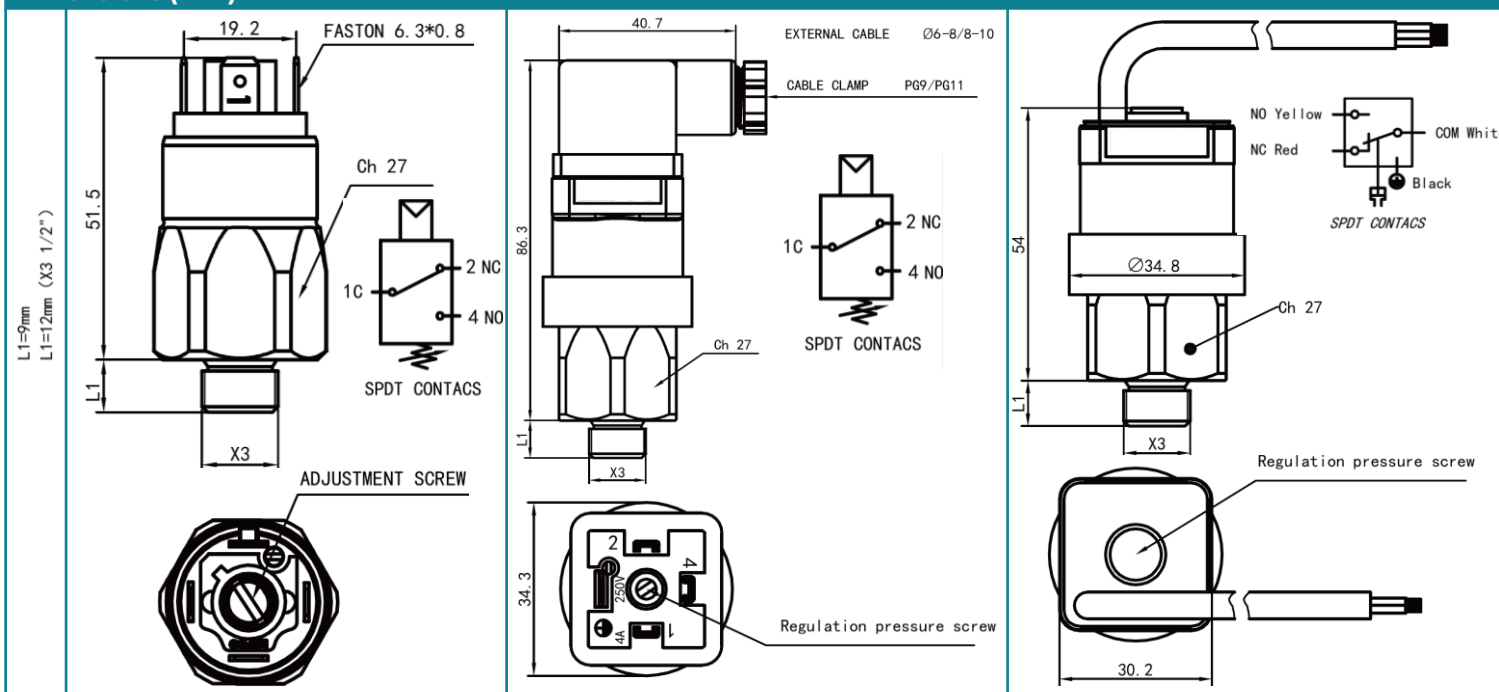
XX	Ex: 30 = 30" (inches)
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Technical Parameters

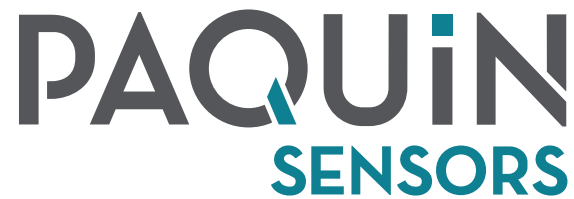
Technical Parameters

Accuracy	Switching Hysteresis	30% of the set pressure (ex: pressure setting 600 PSI, hysteresis = 180 PSI)	
	Repeated Accuracy	2%	
	Mechanic Life Endurance	10 ⁶ times	
	Electric Life Endurance	10 ⁵ times	
Electrical	Max Voltage	250 VAC / 42 VDC	
	Max Current	4 A	
Environmental	Max Working Pressure	6,526 PSI (450 bar)	
	Max Shock	6,526 PSI (450 bar)	
	Burst Pressure	8,702 PSI (600 bar), SPDT	
	Max Vibration	10-60Hz, peak amplitude 0.15mm, acceleration 20m/s ² , vibration duration 2 hours	
	Working Temperature Range	-40°F ... 212°F (-40°C ... 100°C) (Different Diaphragm)	
	IP Protection	Faston spades	IP00
		DIN 43650A	IP65 (only with approved mating connector installed)
		Integrated Cable	IP67
	Applicable Rule	EN 60730-1	
Pollution Situation	Normal		
Material	Body	Zinc plated steel / Stainless steel	
	Contact	Silver cadmium alloy	
	Weight	~140g	

Dimensions (mm)



Additional Information



Paquin Sensors' product portfolio is designed to provide options to fit the most diverse range of specifications.

We collaborate with our customers to match the best product technologies with your unique application requirements.

Please [contact us](#) or call +1 (800) 831-8217 anytime to discuss your needs!