

Compact Pressure Switch

- Small form factor
- All metallic wetted parts
- Ranges from 2.9 to 940psi
- When switching at 215psi or below, no differential upon request
- Factory pre-set
- Good for most liquids and gases
- IP67
- Stainless steel, copper and brass



About

The P414 Compact Pressure Switch is a rugged, factory pre-set solution designed for reliable pressure monitoring in a wide range of liquid and gas applications. Featuring a small form factor with all-metal wetted parts, it delivers dependable performance across broad pressure ranges while maintaining durability in demanding environments. Ideal for HVAC, automation, and equipment integration, the P414 offers flexible configuration options and IP67 protection for long-term reliability.

Applications

- ✓ For most gases and liquids
- ✓ Air
- ✓ Water
- ✓ Lubricants
- ✓ Refrigerants
- ✓ Most hydrocarbons
- ✓ Most Gases
- ✓ HVAC & Refrigeration
- ✓ Automation Controls
- ✓ Water Management
- ✓ Equipment Builders
- ✓ Skid Packages
- ✓ More

Build Your Part Number

Series P414

Example: P4146650RAB5C36

Series
P414

Pressure Range - <i>select one</i>				
	PSI	Tolerance	Differential Range	Over Pressure Max
1	2.9...87	± 4.5	7.25...43	215
2	87...145	± 7.25	14.5...58	290
3	145...290	± 10.5	29...87	435
4	290...435	± 14.5	58...116	580
5	435...580	± 22	87...145	790
6	580...725	± 29	101...159	940
7	725...942	± 37	145...290	1,160

Factory Setting (psi) – <i>please provide in psi</i>	
XX	Ex: 120 psi = 120

Activation - <i>select one</i>	
R	Set to switch on rising pressure
F	Set to switch on falling pressure

Contact Type- <i>select one</i>	
A	SPST normally open
B	SPST normally closed

Wetted Parts - <i>select one</i>	
S	Stainless
B	Brass
C	Copper

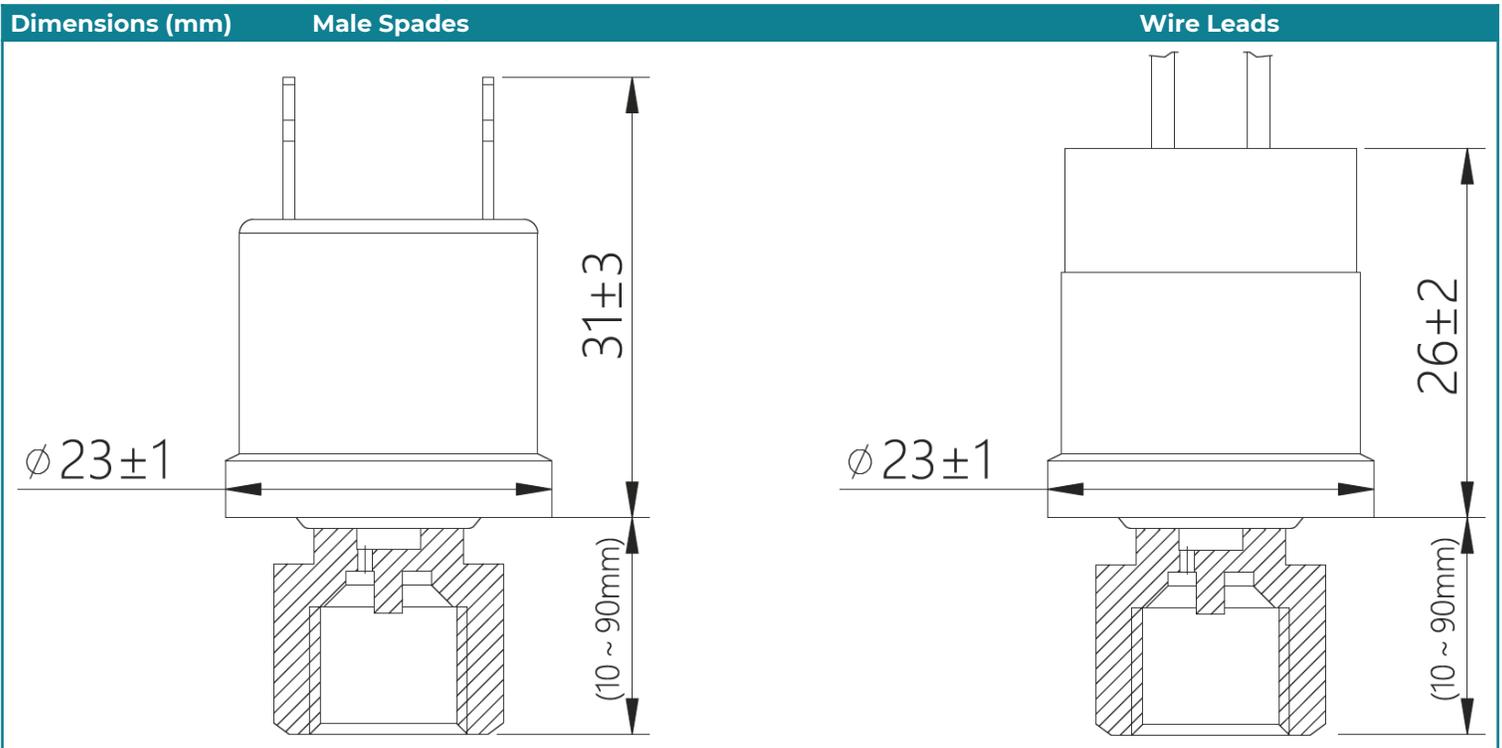
Process Connection - <i>select one</i>	
5A	1/8" NPT male
5C	3/4" NPT male
5G	7/16"-20UNF-2A male
5H	7/16"-20UNF female, SAE J512 with valve opener
5M	G 1/8" Male
5N	G 1/4" Male
HB	Hose Barb (please ask)
CT	Weldable Copper Tube (please ask)

Electrical Termination - <i>select one</i>	
B	Male Blades
L	20" Wire leads
XX	Wire Leads (custom length); please inform in inches (Ex: 40" = 40, 120" = 120)

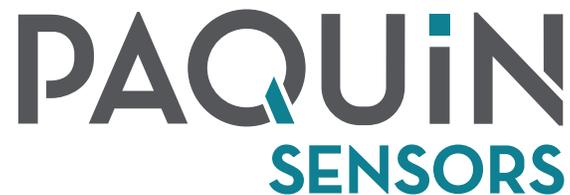
Select for no switching differential (available for 215psi or less) – <i>if not desired, please skip</i>	
ND	No switching differential (0.5Amp max current)

Technical Parameters

Technical Parameters		
Accuracy	Switching Differential	Please refer to chart page 2
	Mechanic Life Endurance	100,000 cycles
Electrical	Max Voltage & Current	24...250VAC / 0.02...6A; 8...36VDC / 0.02...3A; 600VAC / 0.02...3A; Max 0.5Amp for version without switching differential
Environmental	Burst Pressure	5,000 PSI for 1 minute with no permanent damage
	Ambient Temperature	Below 145 psi (-40...149°F); Above 145 psi (-40...248°F)
	Medium Temperature	Below 145 psi (-40...176°F); Above 145 psi (-40...275°F)
	IP Protection	IP67
Material	Body & Wetted Parts	Stainless steel, Brass, Copper



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!