

Compact Pressure Switch

- Factory set switch activation and reset point
- SPDT change-over contacts
- All metallic wetted parts
- Ranges from 2.9 to 725psi
- Good for most liquids and gases
- IP67
- Stainless steel, copper and brass
- Small form factor



About

The P413 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 P413 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 P413

Example: P4135B5CB1-525/385

Series
P413

Operating Pressure Range - select one			
PSI	Switch Point Tolerance PSI	Differential (PSI) The drop (switch reset) is selectable within each range	Over Pressure Max PSI
1 2.9...87	± 4.5	36...72	215
2 87...145	± 7.25	58...87	290
3 145...290	± 10.5	72...116	435
4 290...435	± 14.5	87...145	580
5 435...580	± 22	101...174	790
6 580...725	± 29	116...188	940

Wetted Parts - select one	
S	Stainless
B	Brass
C	Copper

Process Connection - select one	
5A	1/8" NPT male
5C	1/4" 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 - select one (view page 3 for dimensions)	
B1	Male Blades
L	20" Wire leads
XX	Wire Leads (custom length); please inform in inches (Ex: 40" = 40, 120" = 120)

Factory Set Switch Point and Reset Point - please provide in psi; based on rising pressure	
-X/X	Ex: 525/385 = switch will change-over at 525 psi rising, switch will reset at 385 psi falling

Technical Parameters

Technical Parameters		
Electrical	Switching Differential	Factory set per customer requirement
	Mechanic Life Endurance	100,000 cycles
	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
	Contact type	SPDT
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

