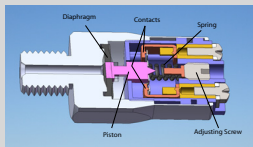




**Pressure Switches:**

The SQ range of compact pressure switches are manufactured with quality in mind, unlike many other manufacturers who's products mechanical life is 1 million cycles the SQ range has a mechanical lifetime of 1.5 million cycles when operated below a pressure of 50bar. Pressures from 0.2bar to 100bar can be accommodated with either factory fixed or adjustable pressure ranges. With a choice of Diaphragm materials the switches can cope with a variety of chemicals including compressed air, hydraulic oil, engine oil, heating oil and water.



**How a Pressure switch works:**

A pressure switch works by a rubber disc (the diaphragm) changing it's shape when subjected to pressure from either a fluid or a gas. This deflection of the diaphragm in turn pushes a small rod or piston which connects to a set of contacts via a spring. When the pressure is enough to overcome the tension of the spring the contacts will either open or close depending on the set up thus making or breaking the connection. This action can be utilised in many applications such as altering when pressure drops in medical equipment, cutting of power to machines in the event of a fault, warning and controlling of air or oil pressure and detection of leaks in pressurized systems.

**Features:**

- Robust in any severe application
- Customised body housing (Steel, 316SS, Brass)
- Selectable contacts (Gold or Silver Contact)
- Screw / push on terminal contact
- Cost effective yet high quality
- Easily adjustable pressure range setting

The Comus International group of companies consists of:

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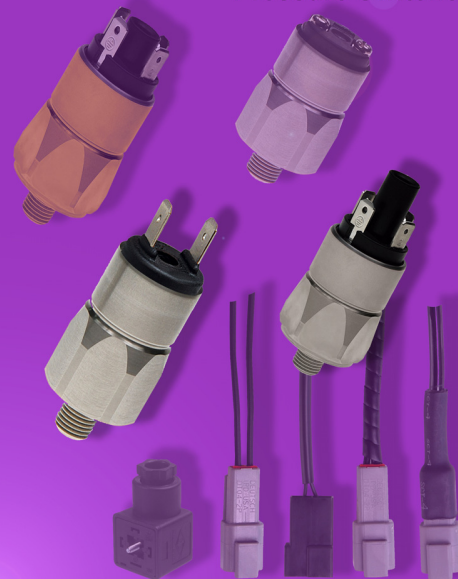


**Our Switch Ranges:**

We now have a comprehensive range of switches including: Reed Switches, Tilt Switches, Proximity Switches and Magnets, Electronic Proximity Switches, Non Mercury Tilt, Tip Over and Acceleration Switches, Float Switches, Glass Mercury and Mercury Switches.

We also have a large network of worldwide agents. These can be found on any of our websites, or on our company profile brochure.

# Pressure Switches



**Pressure Switch Part Numbers**

Pressure switch	Example SQ24B-ANC-2A1
Hex size	
Body material	
Contact type	
Diaphragm material	
Connection fitting	
Screw thread	
Pressure rating	
Pressure switch	SQ Series
Hex length	24mm 27mm
Body material	B = Brass S = Stainless Steel grade 316 Z = Zinc plated steel
Contact type	A = Normally open contacts B = Normally closed contacts S = Single pole double throw (SQ 27 only)
Diaphragm material	N = Nitrile (standard) V = Viton E = EPDM (ethylene propylene diene Monomer)
Connection fitting	S = Screw terminals T = Tag (spade terminal) C = DIN Cap
Screw thread	1 = M10X1 (tap 1") 2 = M10X1 3 = M12X1.5 4 = 1/2" PT 5 = 1/4" PT 6 = 1/4" G 7 = 1/4" G 8 = 1/4" NPT 9 = 1/4" NPT
Pressure rating fixed	F1 = 0.2 Bar F2 = 1.1 Bar F3 = 5 Bar F4 = 50 Bar
Adjustable	A1 = 0.2-1 Bar A2 = 1-19 Bar A3 = 20-50 Bar A4 = 51-100 Bar
Optional Socket Type	D = DT04-2P A = 250 Type
Socket wiring	1 = 3mm PVC (2P)
Add (XX) to end	2 = 3mm PVC (2P) with wrap up sheath 3 = 4.4mm PE Cable 4 = 3mm PVC (2P) with heat shrink sheath
Cap only part numbers	SQA-1130



