



The High Range Pressure Switches are high quality switches designed for a wide range of pneumatic and hydraulic applications. They are easily field adjustable or can be pre-set. With ranges varying between 17-400 bar.



<b>H1</b>	17 - 360 bar
<b>H2</b>	20 - 170 bar
<b>H3</b>	35 - 241 bar
<b>H4</b>	50 - 150 bar
<b>H5</b>	70 - 206 bar
<b>H6</b>	100 - 300 bar
<b>H7</b>	150 - 410 bar
<b>H8</b>	200 - 400 bar

<b>Electrical</b>	5A (12/24 VDC) - (125/250 VAC) 0.5A available (EU)
<b>Protection</b>	DIN 43650A IP65 - HC, Spade Terminal IP00 - SP, Flying Leads IP65 - FL
<b>Mechanical Life</b>	1,000,000
<b>Diaphragm Material</b>	Nitrile (standard), options include EPDM, Viton
<b>Housing Material</b>	Steel (standard) or Brass. Stainless Steel options available.
<b>Max. Overpressure</b>	620 bar (some available 827 bar)
<b>Repeatability</b>	+/- 2% full set point @20° C
<b>Differential</b>	10-15%
<b>Weight</b>	Up to 0.2kg

### Notes:

- All switches are CE compliant
- Viton has a much reduced mechanical life but can withstand higher temperatures
- EPDM is recommended for acidic operations and is not to be used with fuels or oils
- See chemical compatibility chart at [www.baccara.com.au](http://www.baccara.com.au) for more information
- See reverse for instructions on how to adjust pressure switch settings

Diaphragm	Temperature Range
Nitrile	-23° C to 80° C
EPDM	-23° C to 121° C
Viton	-18° C to 121° C



Follow the ordering system to produce your required pressure switch code

PS	-	XX	-	XX	-	X	-	XX	-	X	-	X	-	X
	RANGE		CONNECTION		SWITCH		EC CONNECTION		BODY		DIAPHRAGM		OTHER	
	17 - 360	H1	G1/8" Male	2G	Normally Open	A	DIN Plug	HC	Steel *	1	Viton	1	0.5 Amp	EU
	20 - 170	H2	1/8" NPT Male	2M	Normally Closed	B	Flying Leads	FL	Brass	2	EPDM	2	Food	F
	35 - 241	H3	1/8" NPT Female	2F	Change Over	C	Spade Terminal	SP	St.St.	3	Nitrile *	4	Gold Contacts	G
	50 - 150	H4	G1/4" Male	4G					Alumin	4	Other	9	Oxy Clean	OX
	70 - 206	H5	G1/4" Female	4B					Plastic	5			Piston	P
	100 - 300	H6	1/4" NPT Male	4M					Other	9			Set 50 bar rise ~	S50R
	150 - 410	H7	1/4" NPT Female	4F									Right Angle	RA
	200 - 400	H8	Other	X									Adjustable Diaphragm	ADJ

\* Steel and Nitrile Standard ~ Choose Set Rate - R Rising and F Falling

### Examples:

#### PS-H2-4G-C-HC-1-4-S70R (previously PSAH-2-4G-C-HC)

Pressure Switch - 20 to 170 bar - 1/4" BSP Male - Change Over - DIN Plug - Steel Body - Nitrile Diaphragm  
Set to 70 bar rising

#### PS-H6-4G-A-SP-1-4 (previously PEHA-5-4G-A-SP)

Pressure Switch - 100-300 bar - 1/4" BSP Male - Normally Open - Spade Terminal - Steel Body - Nitrile Diaphragm

***Please specify maximum working pressure of system***

## How to Adjust Pressure Switch Setting

**Step 1.** Pressurise the switch to the desired setting

**Step 2.** Insert Allen key through the opening on the top centre of the switch

**Step 3.** Turn the Allen key clockwise until the contact changes state, ie. from normally closed or vice-versa.

**Step 4.** Operate the switch through normal cycle & make any necessary adjustment to the setting to compensate for differential. Turn the Allen key clock-wise to increase the setting & counter clock-wise to decrease setting

Standard Electrical Circuit		
Black	1	Common
Green	2	Normally Closed
Red	3	Normally Open