

## **FEATURES**

- Anodised aluminium construction
- Can be mounted in any orientation
- 120 Cycles/min switching frequency
- Long mechanical life (10^6 cycles at 70bar)
- 0.5A maximum load (at 250VAC)
- Accuracy ±1% of set pressure
- Fixed Hysteresis 15% of full-scale reading
- Wide temperature range -20° to 80°C
- Mechanical stops
- Wide adjustment range

# RS PRO Pressure Switch, G 1/4 30bar to 300 bar

RS Stock No.: 297-0018



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.



#### **Product Description**

From the trusted RS PRO brand, a series of adjustable pressure switches designed for hydraulic and pneumatic applications. Designed to detect a rise or fall in fluid pressure, the durable switches provide an electrical signal once the set point pressure is reached. Pre-set pressure is adjusted via a graduated knob which can be locked with a grub screw. Clockwise to increase the pressure and anti-clockwise to decrease the pressure. Mechanical stops protect both the spring and the micro-switch from over pressurisation.

#### **General Specifications**

Pressure Type	Positive Pressure
Suitable Media	Oil
Output Type	NO/NC
Connection	G1/4
Туре	Adjustable
Manufacturer Series	K5
<b>Connection Thread Standard</b>	G
Contact Operation	Normally Closed; Normally Open;
LED Indicator	No
Mounting	Any orientation
Applications	Pumps, Compressed air systems, Machine tools, Process control equipment, Sensors, Hydraulics and Pneumatics, Valves and switches

#### **Electrical Specifications**

Voltage Rating	250V ac
Maximum Load	0.5Ampere at 250 Volt AC



## Mechanical Specifications

Body	Anodised Aluminium
Switching Frequency	120 cycles/min
Contact Rating (ac)	5A @ 250V
Contact Rating (dc)	0.25 @ 250V
Connection Thread Size	1/4" BSP Female or CETOP 3/5
Maximum Pressure Setting	500bar
Pressure Setting Range	0 to 500 bar
Minimum Pressure Setting	Obar
Switching Accuracy	Accuracy ± 1% of set pressure
Weight	0.35kg
Mechanical Life	Long mechanical life (10^6 cycles at 70bar)
Fixed Hysteresis	15% of full scale reading

## **Operation Environment Specifications**

Minimum Operating Pressure	30bar
Maximum Operating Pressure	300bar
Minimum Operating Temperature	-20°C
Maximum Operating Temperature	80°C

### **Protection Category**

IP Rating	IP65
Electric Protection	DIN 43650

Approvals	
Standard Met	RoHS Compliant

# Pressure & Vacuum Switches

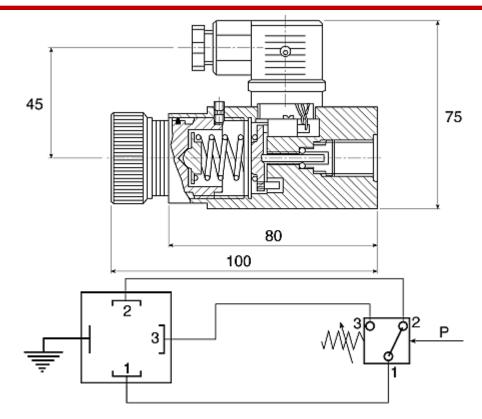






# Pressure & Vacuum Switches





**Electrical Connection**