

FEATURES

- Anodised aluminium construction
- Can be mounted in any orientation
- 120 Cycles/min switching frequency
- Long mechanical life (10⁶ cycles at 70bar)
- 0.5A maximum load (at 250VAC)
- Accuracy $\pm 1\%$ of set pressure
- Fixed Hysteresis 15% of full-scale reading
- Mechanical stops pressurisation
- Wide adjustment range
- N/C or N/O contacts SPDT

RS PRO Pressure Switch, G 1/4 2bar to 40 bar

RS Stock No.: 296-9989



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

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

Electrical Specifications

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|----------------------------|--------------------------|
| Voltage Rating | 250V ac |
| Contact Rating (ac) | 5A @ 250V |
| Contact Rating (dc) | 0.25 @ 250V |
| Maximum Load | 0.5Ampere at 250 Volt AC |

Mechanical Specifications

| | |
|---------------------------------|--|
| Body | Anodised aluminium construction |
| Switching Frequency | 120 cycles/min |
| Connection Thread Size | 1/4in |
| Maximum Pressure Setting | 150bar |
| Pressure Setting Range | 0 to 150 bar |
| Minimum Pressure Setting | 0bar |
| Switching Accuracy | Accuracy \pm 1% of set pressure |
| Mechanical Life | Long mechanical life (10 ⁶ cycles at 70bar) |
| Fixed Hysteresis | 10% of full scale reading |

Operation Environment Specifications

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|--------------------------------------|-------|
| Minimum Operating Pressure | 2bar |
| Maximum Operating Pressure | 40bar |
| Minimum Operating Temperature | -20°C |
| Maximum Operating Temperature | 80°C |

Protection Category

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|----------------------------|-----------|
| IP Rating | IP65 |
| Electric Protection | DIN 43650 |

Approvals

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|---------------------|----------------|
| Standard Met | RoHS Compliant |
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