

Mechanical Pressure Switch



measuring
•
monitoring
•
analyzing

KPH300



- Switching Ranges: 3...30 PSIG to 450...4600 PSIG
- Field Adjustable Setpoint
- Diaphragm or Piston Type Sensing Element
- Micro-Switch Contact
- Reliable and Economical
- Excellent OEM Product



Order from: **C A Briggs Company**
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KOBOLD Instruments, Inc.
1801 Parkway View Drive
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Description

The KPH300 is an excellent choice for pressure switching applications that require a reliable solution at an affordable price. It utilizes proven diaphragm or piston sensing technology, depending on the measuring range. The setpoint and hysteresis are both field adjustable and their access is protected from the elements beneath the DIN 43 650 electrical connector. These can also be factory-set at your specified setpoint for a small additional charge. The SPDT micro-switch contacts are silver-plated for extended service life. The combination of reliability and low cost also makes the KPH300 an excellent choice for many OEM applications.

Specifications

Media: Liquids or Compressed Gases
Compatible with Wetted Materials

Switching Ranges: 3...30 PSIG to 450...4600 PSIG

Fitting: 1/4" Male NPT,
(Others Available in OEM Quantities)

Measurement Element

≤ 225 PSIG: NBR Diaphragm
> 225 PSIG: Steel Piston with NBR Seal

Maximum Pressure

≤ 15...225 PSIG: 870 PSIG
≥ 150...425 PSIG: 5000 PSIG

Wetted Materials: Zinc-plated Steel and NBR

Switch Housing: Thermoplastic

Operating Temperature: -4...176 °F

Setpoint Repeatability: ±2% of Full Scale Range

Setpoint Hysteresis: 10-30% of the Adjusted Value

Max Contact Rating: 4 A at 120 VAC,
4 A at 250 VAC,
2 A at 28 VDC

Electrical Connection

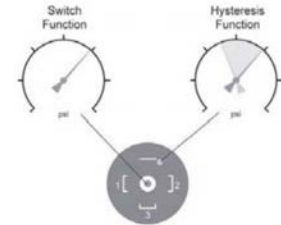
Standard: DIN 43 650 Plug with Cable Gland
Optional: DIN 43 650 Plug with 36" Attached Cable
DIN 43 650 Plug with 1/2" NPT Conduit

Electrical Protection: NEMA 4 / IP65

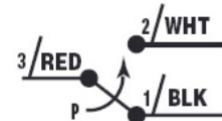
Dimensions



Wiring Diagram



Switching Output Schematic



Order Details (Example: KPH300-12 150/1700 8 P; 200 PSI Falling)

Model	Switch	Fitting	Switching Pressure Range (Adjustable)		Electrical Connection
KPH300-	..1.. = Single SPDT Contact	..2.. = 1/4" NPT Male (Std.)	..3/30.. = 3...30 PSIG	..150/1700.. = 150...1700 PSIG	..1 = 36" Cable (Attached to Plug Connector) ..8 = Plug Connector (Standard)
			..7/115.. = 7...115 PSIG	..150/2300.. = 150...2300 PSIG	
			..15/225.. = 15...225 PSIG	..300/2900.. = 300...2900 PSIG	
			..150/425.. = 150...425 PSIG	..300/3600.. = 300...3600 PSIG	
			..150/1150.. = 150...1150 PSIG	..450/4600.. = 450...4600 PSIG	
Options					
..C = Plug Connector (DIN 43 650) with 1/2" NPT Conduit					
..P = Factory-set Switchpoint (Please Specify the Desired Pressure Switchpoint and upon Rising or Falling Pressure)					