

# KPH COMPACT PRESSURE SWITCH



Flow  
Pressure  
Level  
Temperature  
measurement  
monitoring  
control



- Rugged Compact Design
- Long Cycle Life
- Ranges: Vacuum to 6100 PSIG
- Suitable for Pneumatic or Hydraulic Applications
- Easily Adjusted Setpoint
- Plug-in Connector Standard

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Model:  
KPH



**Features**

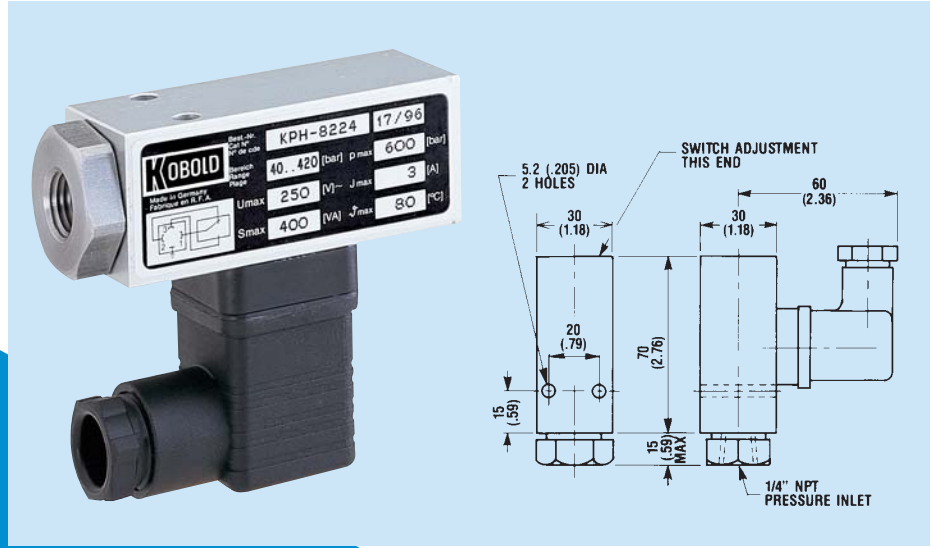
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The KOBOLD KPH pressure switch is a highly reliable, small footprint pressure switch ideal for OEM installations. Its long cycle life and rugged mechanical design are your assurance that it will provide your customer with reliable service during the life of your product.

The 8000 and 8200 series are usable with air, gas, lubricating oil, light fuel, or any one of many other industrial media.

Its single pole double throw (SPDT) switch has mechanical reliability typically found only in reed switches. Unlike reed switches, however, the KPH is capable of switching AC loads of up to five amps, at 220 volts.

Rugged, compact and reliable ... the perfect switch for your pressure applications.



**KOBOLD KPH Pressure Switch**

**Specifications**

- Range:** -14.0 to 6100 PSIG
- Media**
- KPH-8000:** Gases or liquids
  - KPH-8200:** Liquids only
- Cleanliness:** Non-depositing
- Max. Viscosity:** 97 cSt (450 SSU)
- Repeatability:** ±3% of full scale
- Sensing Mechanism**
- KPH-8000:** Diaphragm
  - KPH-8200:** Piston
- Fittings:** 1/4" NPT
- Optional:** SAE (KPH-8200)
- Wetted Parts**
- KPH-8000:** Aluminum, Buna-N

- KPH-8200:** Aluminum, Buna-N, 420-SS, PTFE
- Mechanical Data**
- Switching Rate:** 100 Hz max.
  - Switch Life:** 10<sup>7</sup> cycles min.
  - Vibration:** 15g max.
  - Weight:** 0.4 lbs
- Electrical Data**
- Switch Type:** SPDT snap-action
  - Maximum Resistive Loads**
    - AC:** 220 V @ 5 A
    - DC:** 120 V @ 0.4 A  - Switch Life**
    - 100% Load:** 5 x 10<sup>4</sup> cycles
    - 50% Load:** 10<sup>5</sup> cycles  - Protection:** NEMA 4

**KPH Ordering Information**

Range (PSIG)	Deadband (non-adjustable) (PSI)	Burst Pressure (PSIG)	Temperature Range		Order Number	
			Ambient (°F)	Medium (°F)	Aluminum	
-14.5 - 0	2 - 3	1200	15 to 175	-5 to 175	KPH-8021	-
3 - 30	2 - 4	1200	15 to 175	-5 to 175	KPH-8022	-
7.5 - 120	4 - 9	1200	15 to 175	-5 to 175	KPH-8023	-
15 - 230	4 - 13	1200	15 to 175	-5 to 175	KPH-8024	-
70 - 1000	150 - 220	5800	30 to 175	30 to 210	KPH-8221	-
150 - 2300	160 - 245	5800	30 to 175	30 to 210	KPH-8222	-
360 - 3600	160 - 245	5800	-10 to 175	-10 to 210	KPH-8223	-
580 - 6100	245 - 505	8700	-10 to 175	-10 to 210	KPH-8224	-
<b>Options</b>						
SAE fittings. Available in series KPH-8200 switches					S	
Splash protection cover for adjustment screw mechanism					EC	