

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

P3



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Model:
KPH



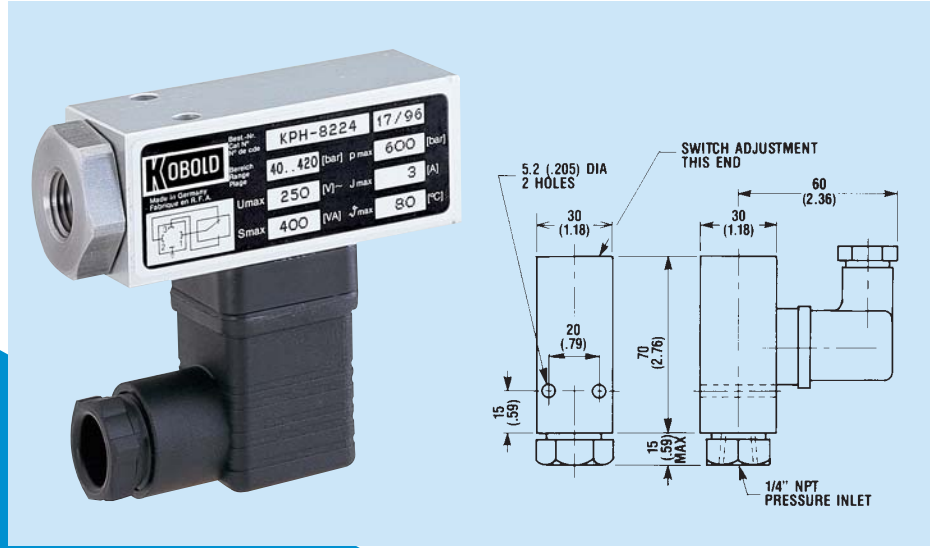
Features

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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. The 8100 series, with all brass wetted parts, are suitable for water and water based liquids. Its single pole double throw 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-8100:** Brass, Buna-N

- KPH-8200:** Aluminum, Buna-N, 420-SS, PTFE
- Mechanical Data**
- Switching Rate:** 100 Hz max.
 - Switch Life:** 10⁷ 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 10⁴ cycles
 - 50% Load:** 10⁵ 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	Brass
-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	KPH-8122
7.5 - 120	4 - 9	1200	15 to 175	-5 to 175	KPH-8023	KPH-8123
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	-
Options						
SAE fittings. Available in series KPH-8200 switches					S	
Splash protection cover for adjustment screw mechanism					EC	