

KPS/KAS PRESSURE SWITCHES



Flow
Pressure
Level
Temperature
measurement
monitoring
control



- Industrial and Marine Applications
- World-Wide Approvals
- IP67 (NEMA 6) Enclosure
- Rugged and Reliable

P3



USA

KOBOLD Instruments Inc.
1801 Parkway View Drive
USA-Pittsburgh, PA 15205
☎ +1 412-788-2830
Fax +1 412-788-4890
E-mail: info@koboldusa.com



CANADA

KOBOLD Instruments Canada Inc.
9A Aviation
Pointe-Claire, QC H9R 4Z2
☎ +1 514-428-8090
Fax +1 514-428-8899
E-mail: kobold@kobold.ca

Visit KOBOLD Online at
www.kobold.com

Model:
KPS/KAS



The KPS and KAS are pressure operated switches built with industrial gas and low viscosity fluid applications in mind. These switches are ideal for uses demanding robust design. Environmental protection is provided by an IP67 (NEMA 6) enclosure. Careful internal design provides excellent resistance to shock and vibration.

All conventional (as well as some unconventional) requirements for outdoor and indoor use are covered by the KPS/KAS line. Typical installations include manufacturing plants, diesel units, compressors of all types, power stations and ships.

Technical Specifications

Contact Rating KAS (SPDT)

AC: inductive 250 V, 0.1 A
DC: 125 V, 12 W

Contact Rating KPS (SPDT)

AC: 440 V, 6 A inductive load
 440 V, 10 A resistive load
DC: 125 V, 12 W

Enclosure: IP67 (NEMA 6)

Pressure Fitting: 1/4" NPT via Brass Adapter

Cable Fitting: IEC Pg 13.5
 Cables 5 to 14 mm Ø

Wetted Parts: Brass, SS, Carbon Steel

Repeatability: ± 0.25% F.S.

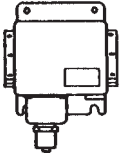
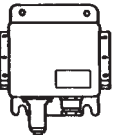
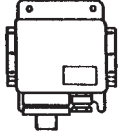
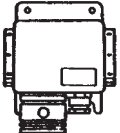
Approvals

KPS and KAS

USA: American Bureau of Shipping ¹
Japan: Nippon Kaiji Kyokai
China: CCS, China Classification Society
Russia: RMRS, Maritime Register of Shipping
Germany: Germanischer Lloyd
France: Bureau Veritas
Italy: Registro Italiano Navale

¹ KAS-3153 and KPS-3107 not approved

Ordering Data

Standard Pressure Switches						
Model Number	Range bar*	Hysteresis (adjustable) bar*	Maximum Pressure bar*	Temperature Range Medium °F	Temperature Range Ambient °F	
KPS-3110	0-2.5	0.1	6	-40 to +212	-40 to +160	   
KPS-3104	0-3.5	0.2	10	-40 to +212	-40 to +160	
KAS-3150	0-3.5	0.1	10	-40 to +212	-40 to +160	
KPS-3105	0-8	0.4-1.5	12	-40 to +212	-40 to +160	
KPS-3108	0-8	0.4	12	-40 to +212	-40 to +160	
KAS-3151	0-10	0.2	22	-40 to +212	-40 to +160	
KAS-3152	6-18	0.3	27	-40 to +212	-40 to +160	
KPS-3106	6-18	0.75-2.5	22	-40 to +212	-40 to +160	
KAS-3153	10-35	0.6	53	-40 to +212	-40 to +160	
KPS-3107	10-35	1.8-6.0	45	-40 to +212	-40 to +160	
Pressure Switches for Strongly Pulsating Media						
KAS-3160	1-10	0.2-0.6	120	-13 to +212	-13 to +160	
KPS-3120	1-10	0.7-2.8	120	-13 to +175	-13 to +160	
KAS-3161	4-40	0.8-2.4	120	-13 to +212	-13 to +160	
KPS-3121	4-40	2.2-11	120	-13 to +175	-13 to +160	
KAS-3162	6-60	1.0-3.0	120	-13 to +212	-13 to +160	
KPS-3122	6-60	3.5-17	120	-13 to +175	-13 to +160	
Differential Pressure Switches						
KAS-3130	0.2-2.5	0.1	22	-13 to +212	-13 to +160	

* 1 bar = 14.5 PSI