

# KPS/KAS PRESSURE SWITCHES



Flow  
Pressure  
Level  
Temperature  
measurement  
monitoring  
control



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

P3



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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 our high grade 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:** NEMA 6/IP67

**Pressure Fitting:** 1/4" NPT, Brass  
**Cable Fitting:** IEC Pg 13.5  
 Cables 5 to 14 mm Ø  
**Wetted Parts:** Brass, SS, Carbon Steel  
**Repeatability:** ± 0.25% F.S.

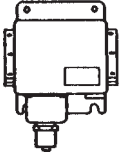
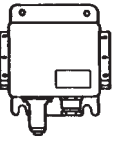
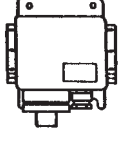
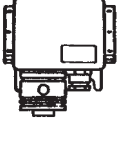
**Approvals**

**KPS and KAS**

**USA:** American Bureau of Shipping<sup>1</sup>  
**Japan:** Nippon Kaiji Kyokai  
**Norway:** Det Norske Veritas, NEMKO  
**UK:** Lloyds Register of Shipping  
**Germany:** Germanischer Lloyd  
**France:** Bureau Veritas  
**Italy:** Registro Italiano Navale  
**Poland:** Polski Rejestr Statków  
**USSR:** USSR Register of Shipping  
**Denmark:** DEMKO  
**Switzerland:** SEV

**KPS Only**  
**USA:** UL<sup>1</sup>  
**Canada:** CSA<sup>1</sup>  
**Finland:** Sähkötarastuskeskus

**Ordering Data**

| <br><br><br><br><br><br> | 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    <sup>1</sup> KAS-3153 and KPS-3107 not approved