

KPH300 - Mechanical Pressure Switch



Benefits and Features

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

General Description

The KPH300 is an excellent choice for pressure switching applications that require a reliable solution and low cost. The KPH300 utilizes the proven diaphragm or piston sensing technology depending on the measuring range chosen. The set-point and hysteresis are field adjustable via a 2 mm hex nut adjuster protected from the elements beneath the DIN 43650 electrical connector. The switch can also be factory set at the setpoint you specify. The SPDT micro-switch contacts are silver plated for extended service life. The combination of high reliability design and low cost makes the KPH300 an excellent choice for OEM and end user applications alike.

Specifications

Applications: Liquids or compressed gases compatible with the wetted materials

Pressure Ranges: 3-30 PSIG to 450-4600 PSIG

Fitting: 1/4" NPT male, others available in OEM quantities

Measuring Element

At or Below 225 PSIG: NBR diaphragm

Above 225 PSIG: Steel piston with NBR seal

Wetted Materials: Zinc plated steel and NBR

Housing Material: Thermoplastic

Operating Temp. Range: -4°F to 176°F

Setpoint Repeatability: ±2% of the full scale range

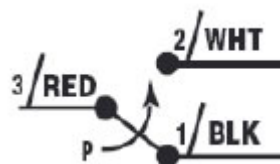
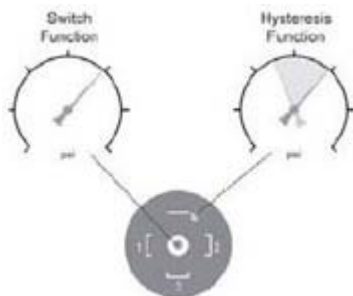
Setpoint Hysteresis: 10% to 30% of the adjusted value

Contact Rating: 4 amps to 120 VAC, 4 amps to 250 VAC, 2 amps to 28 VDC

Electrical Connection: DIN 43650 plug w/ cable gland

Electrical Protection: NEMA 4/ IP65

Wiring Diagrams and Electrical Connections



Switching Output Schematic

KPH300 - Mechanical Pressure Switch

Ordering Information

KPH300 Ordering Information	
KPH300-	= Mechanical Pressure Switch
	Switch
1	= Single Changeover contact, SPDT
	Fitting
2	= 1/4" NPT male (Std.)
	Pressure Range
3/30	= 3 PSIG to 30 PSIG (max pressure: 870 PSIG)
7/115	= 7 PSIG to 115 PSIG (max pressure: 870 PSIG)
15/225	= 15 PSIG to 225 PSIG (max pressure: 870 PSIG)
150/425	= 150 PSIG to 425 PSIG (max pressure: 5000 PSIG)
150/1150	= 150 PSIG to 1150 PSIG (max pressure: 5000 PSIG)
150/1700	= 150 PSIG to 1700 PSIG (max pressure: 5000 PSIG)
150/2300	= 150 PSIG to 2300 PSIG (max pressure: 5000 PSIG)
300/2900	= 300 PSIG to 2900 PSIG (max pressure: 5000 PSIG)
300/3600	= 300 PSIG to 3600 PSIG (max pressure: 5000 PSIG)
450/4600	= 450 PSIG to 4600 PSIG (max pressure: 5000 PSIG)
	Electrical Connection
1	= 36" cable (attached to option 8)
8	= Hirschmann connector (DIN 43650 A)
KPH300-	
1	
2	
150/1700	
8	
Example Order Code	

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↔ Dimensions

