

KAPS / KAPF



DESCRIPTION

The KAPS/KAPF is a piston pressure switch featuring an external adjustment knob to easily adjust set point . The switch is IP67 rated, enabling high performance in most outdoor conditions. It is excellent for hydraulic applications requiring long cycle life.

FEATURES

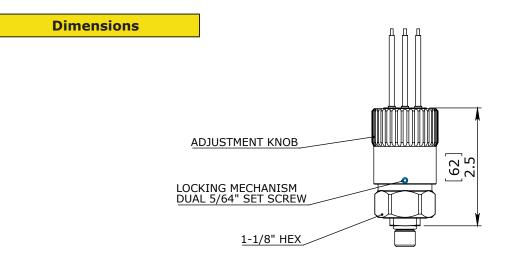
- Snap action micro switch
- Factory set or field adjustable
- Full metal stops
- High proof pressure

APPLICATIONS

- Industrial equipment
- Scissor lifts
- Presses
- Cranes

Specificatio	ns	
Electrical	5A [12/24 VDC, 125 VAC/250 VAC] Optional: 10A or Gold Contact	
Switch Type	Snap Action	
Protection	IP67	
Temperature Range	-20°F to 248°F (-29°C to 120°C) HNBR	
Mechanical Range	1,000,000 Cycles @ 2500 PSI (172 BAR)	
Piston Seal	HNBR	
Housing Material	Zinc Plated Steel	
Maximum Overpressure	15000 PSI (1034 BAR)	
Repeatability	+/- 2% of full set point range at 20°C (68°F)	
Differential	6 - 25 % of setting	
Weight	0.44 lbs (0.2 kg)	

Pressure Range			
Model	Adjustment Range		
Model	PSI	BAR	
5	350 - 1000	24 - 69	
6	600 - 1600	41 - 110	
7	1000 - 3200	69 - 220	



Wiring	Code				
CONTACT FLYING LEADS		FLWF / FLWM FLCM / FLCF / FLPM / FLPF		FLDR / FLDP	
	ELADS	SPDT MODEL	SPST MODEL	SPDT MODEL	SPST MODEL
COMMON	BLACK	PIN A	PIN A	PIN A	PIN 1
NORMALLY CLOSED	BLUE	PIN C	PIN B	PIN C	PIN 2
NORMALLY OPEN	RED	PIN B	PIN B	PIN B	PIN 2

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Ordering Information

Factory Preset

KAPF - 350F - 4M - C - FL - 1

1 - Pressure Selection

Field Adjustable - Select Model Code

Insert set point value XXX followed by: R, F, BR, or BF

Model	Adjustment Range		
Model	PSI	BAR	
5	350 - 1000	24 - 69	
6 600 - 1600		41 - 110	
7	1000 - 3200	69 - 220	

OR

Set Point	Direction	Description	
xxxx	R	PSI Rising Pressure	
	F	PSI Falling Pressure	
	BR	BAR Rising Pressure	
	BF	BAR Falling Pressure	

2 - Thread Options:

4M - 1/4 NPT male

4S - 7/16-20 SAE male, with O-ring seal

3 - Circuit:

A - SPST (Normally Open)

B - SPST (Normally Closed)

C - SPDT (Single Pole Double Throw: Normally Open and Normally Closed)

4 - Electrical Termination:

FL - Flying Lead 18" long, 18 AWG

 $\textbf{FLWF} \ \textbf{-} \ \text{Flying Lead Weatherpack connector, female, Tower, } 10'' \ \text{long leads}$

FLWM - Flying Lead Weatherpack connector, male, Shroud, 10" long leads

FLDP - Flying Lead Deutsch connector, plug, 10" long leads

FLDR - Flying Lead Deutsch connector, receptacle, 10" long leads

FLCM - Flying Lead Metripack, male, 150 series, 10" long leads

FLCF - Flying Lead Metripack, female, 150 series, 10" long leads

FLPM - Flying Lead Metripack, male, 280 series, 10" long leads

FLPF - Flying Lead Metripack, female, 80 series, 10" long leads

5 - Options (Omit if not required):

Viton® Seal

7 - Gold Contact, Snap Action Microswitch @ 20mA/12VDC

8 - 10 amp, Snap Action Microswitch @ 10(1.5) 125 VAC/250 VAC (inductive)

