

PATENT NO. 4,317,971

APS

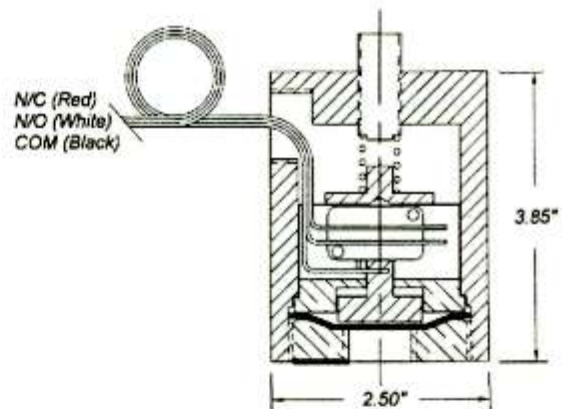
DESIGN FEATURES

The R-K APS is an adjustable pressure switch with a multitude of uses. This switch may be used to open or close valves, start or stop pumps, sound alarms or limit pressure in tanks. The switch can be wired either normally open or normally closed for either rising pressure or falling pressure. This patented switch is designed so there is no metal contact with the fluid. A Viton diaphragm is used to isolate corrosive chemical fluids from the switching mechanism. It has a 1/2" FPT conduit inlet and 1/2" FPT mounting on the bottom center. All pressure switches are factory pre-set and are adjustable to your needs by rotating the top set screw. (NOTE: on PVDF pressure switches, mounting base only is PVDF; upper canister is polypro.)

ADJUSTABLE PRESSURE SWITCH

SPECIFICATIONS

Operating Pressure Range	0 to 150 PSIG		
Temperature Range	0 F to 140 F for PVC 0 F to 180 F for POLYPRO 0 F to 280 F for PVDF		
Material	Valve Body	PVC Type 1, Grade 1 Polypropylene PVDF	
Electric switch	1 HP	125VAC	UL Approved
	2 HP	250VAC	UL Approved
	25 Amps	125VAC	UL Approved
APS type	Type 1:	Adjustable from 5-40 PSI	
	Type 2:	Adjustable from 40-100 PSI	

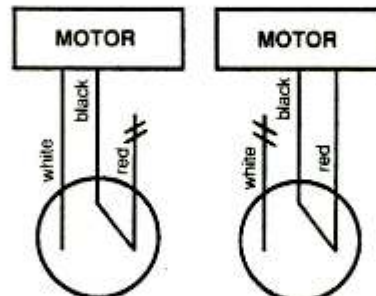


ORDER INFORMATION

APS PART NUMBERS	
TYPE 1 (5-40 PSI)	
PART NUMBER	MATERIAL
APS-801 A	PVC
APS-801 C	POLYPRO
APS-801 E	PVDF
TYPE 2 (40-100 PSI)	
PART NUMBER	MATERIAL
APS-801 B	PVC
APS-801 D	POLYPRO
APS-801 F	PVDF

INSTALLATION INSTRUCTIONS

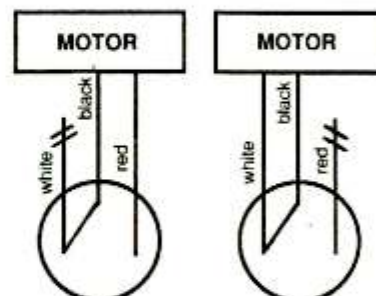
MODE 'A': Rising pressure to activate switch.



Normally Open
Wiring hook-up
(at low pressure)

Normally Closed
Wiring hook-up
(at low pressure)

MODE 'B': Falling pressure to activate switch.



Normally Open
Wiring hook-up
(at high pressure)

Normally Closed
Wiring hook-up
(at high pressure)

TO SET THE PRESSURE: The switch is factory pre-set at approximately 20 P.S.I. for Type 1 or 60 P.S.I. for Type 2. To set for a lower pressure rotate top set screw counterclockwise. To set for a higher pressure rotate set screw clockwise.

R-K INDUSTRIES



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