PSR/PS PADDLE TYPE FLOW SWITCH

- Switch Point Adjustable
- Easy to Install
- Brass or SS Construction
- Low Cost
- Maximum Pressure: 1450 PSIG (most models)

Model: PSR/PS

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KOBOLD paddle type flow switches can be used wherever a simple economic yet reliable monitoring instrument is required for flow switching applications.

The device operates as follows: The flowing medium presses against the paddle of the KOBOLD flow switch. The paddle is fitted to one end of a balance arm which is in direct contact with a pre-stressed leaf spring. At the other end of the balance arm is a permanent magnet. This magnet actuates a reed contact located within a moveable housing outside the media.

The reed contact switches on or off depending on the position of the permanent magnet and the switch housing. The status of the switch may then be used to electrically control the fluid flow. The moveable reed switch on the Kobold PSR/PS allows the contacts to be set either normally open (N/O) or normally closed (N/C).

Specifications
Maximum Temperature: 230°F
Maximum Pressure: 1450 PSIG
(Note: 360 PSIG max for PSR-5132 & PSR-5140)
Materials:
Paddle: SS 304
Leaf Spring: SS 301
Beam: SS 301
Locking Plate: brass or SS 304
Contact Housing: Polyamide, glass reinforced, NEMA 4
Cable: PVC
O-Ring: Buna-N for brass units; Viton for SS units
Contact: Reed-switch SPST, N/O or N/C (SPDT Optional)
Maximum Contact Ratings: 50 VA, (50 Watt, 250 VAC, 1.5A)
Standard Cable Length: 5ft
Orientation: Horizontal Pipes
Max Flow: 5x switching range increasing

Order Numbers for standard types
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<th>Pipe Size</th>
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<th>Decreasig GPM Water</th>
<th>Flow switch Model PSR</th>
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Optional SPDT Reed Switch add Suffix “U”

Subject to change without prior notice.