



FSW - P-251

## FEATURES

- Simple and rugged construction
- Suitable for non-corrosive fluids
- Indicates the presence or absence of water flow to start and stop electrically operated equipment in a flow or no-flow condition
- Can be used for monitoring flows in horizontal and vertical pipelines with upward water flow

## PRINCIPLE OF OPERATION

When the water flow hits the paddle of the flow switch, it operates an SPDT switch.

## TECHNICAL DATA

Model	:	FSW - P-251
Connection	:	1" BSP
Materials		
Body	:	Polymer Composite
Base plate	:	Nylon
Paddle	:	Polymer Composite
Cover	:	ABS
Contact type	:	SPDT
Contact Rating	:	10Amps, 230V AC, 50 Hz, 1 Ph
Media temp.	:	0° to 120°C
Permissible ambient temp.	:	0° to 80°C
Max. operating pressure	:	16 bar
Protection	:	IP 54

## INSTALLATION & COMMISSIONING

Install the flow switch in a section of pipe where there is a straight run of at least 5 pipe diameters on each side of the flow switch. Do not locate adjacent to valves, elbows or orifices. The switch should be mounted so that terminals or wire leads are easily accessible for wiring.

Cut the pedal to ensure adequate length in flow stream. For pipe sizes smaller than 1 inch, use tee and for larger pipe sizes use saddle to keep flow switch close to the pipe.

The paddle must be properly attached and the screw that holds the paddle must be securely tightened.

Paddle tension to suit flow can be changed by adjusting the setting screw as shown in fig.3.

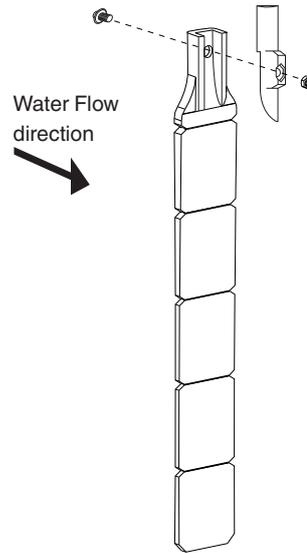


Fig.1. Typical Paddle Arrangement

### CAUTION:

- The paddle movement should be unrestricted, it must not touch inside of pipe.
- Care must be taken to properly orient the device for the direction of flow.(fig.3)

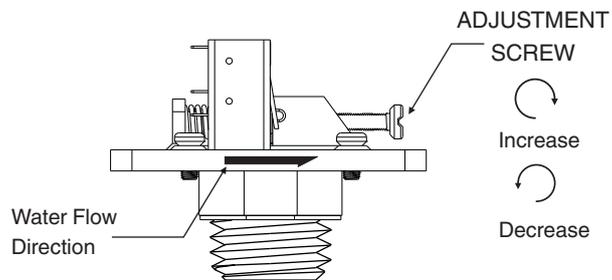


Fig.3. Paddle Tension Adjustment System

## WIRING DIAGRAM



COM : Common  
N.O. : Normally open

