



FSW - B-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
- Available in different models

PRINCIPLE OF OPERATION

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

TECHNICAL DATA

Model	:	FSW - B-251
Connection	:	1" BSP
Materials		
Body	:	Brass
Base plate	:	Stainless Steel
Paddle	:	Stainless Steel
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	:	10 bar(16 bar optional)
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.

Use suitable size of pedal or 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.

Paddles smaller than actual pipe size should be used for added support and higher sensitivity. The paddles 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.2.

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.2)

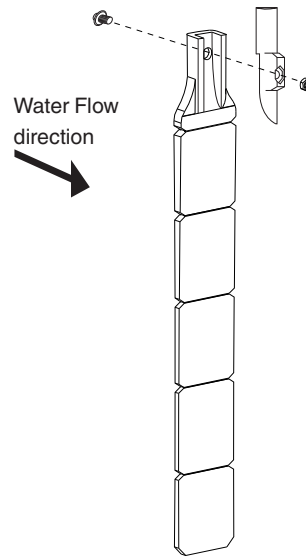


Fig.1. Typical Paddle Arrangement

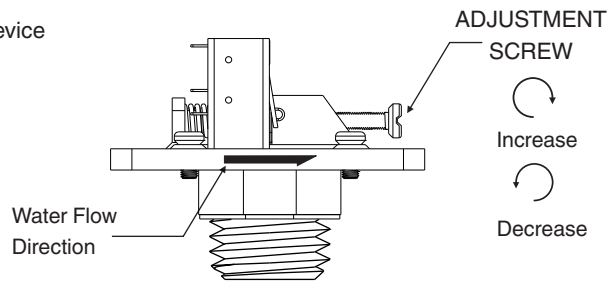


Fig.2. Paddle Tension Adjustment System

WIRING DIAGRAM



COM : Common
N.O. : Normally open

