



FSA-101

FEATURES

- Simple and rugged construction
- Suitable for ducts carrying air or any other non-corrosive gas
- Indicates the presence or absence of air 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 ducts with upward air flow

PRINCIPLE OF OPERATION

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

TECHNICAL DATA

Model	:	FSA 101
Materials	:	
Base plate	:	Stainless Steel
Mounting plate	:	GI
Paddle	:	Stainless Steel
Cover	:	ABS
Contact type	:	SPDT
Contact rating	:	10Amps, 230V AC, 50 Hz, 1 Ph
Media temp.	:	0°C to 80°C
Permissible ambient temp.	:	0°C to 80°C
Protection	:	IP 54

Install the flow switch in a straight section of duct. Do not locate adjacent to dampers, elbows or transformation pieces. The switch should be mounted so that the terminals or wire leads are easily accessible for wiring.

A single large size paddle is provided, which maybe trimmed to suit application.

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.

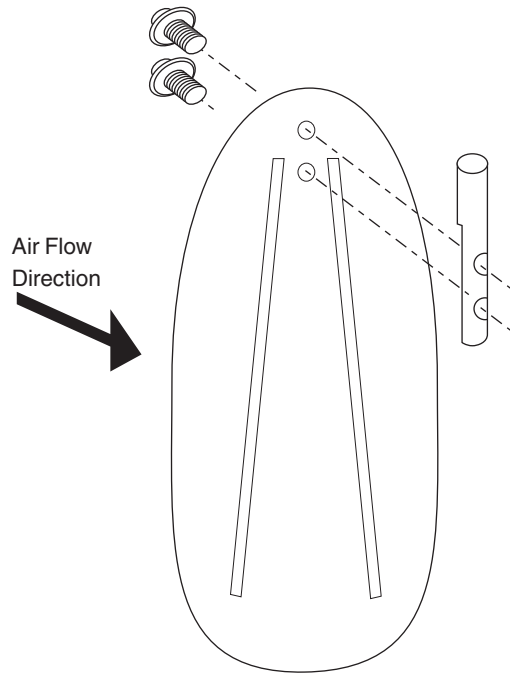


Fig. 1. Typical Paddle Arrangement

CAUTION:

- The paddle must not touch the inside of the duct or bind in any way.
- Care must be taken to properly orient the device for the direction of the air flow.(fig.1)

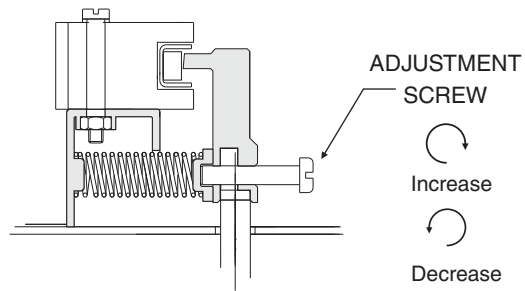


Fig.2. Paddle Tension Adjustment System

WIRING DIAGRAM



COM : Common
N.O. : Normally open

