



Description

Duct air flow switches.

Application

Control and monitor air and non aggressive gases flow in ducts, chambers, etc., of heating, cooling, and air conditioning equipment.

Features

- Renovated SPDT micro switch ensures the reliable switch function
- Stainless steel paddle
- Cut-in and cut-out
- Brass level
- IP65 housing

Specifications

Model No.	PS-50AF
Type of operation	On/Off, single-stage, micro switch
Output	SPDT, 24/250 VAC, 15 (8) A
Flow rate switching	
- Cut-out	Min. 1.0 m/sec, Max. 8.0 m/sec
- Cut-in	Min. 2.5 m/sec, Max. 9.2 m/sec
Flow rate setting adjustment	Internal screw
Sensing element	Paddle
Paddle size	3.2 x 6.9 in. (80 x 175 mm)
Paddle w/level - Length	7.9 in. (200 mm)
Flow applications	Air and non aggressive gases
Paddle material	Stainless steel
Paddle level material	Brass
Permissible ambient temperature	
- Housing	-40°F to 185°F (-40°C to 85°C)
- Paddle	14°F to 185°F (-10°C to 85°C)
Permissible ambient humidity	10...90% RH, non-condensing
Cable entry	M18 fitting
Housing	
- Material	Base: Steel, galvanized Cover: ABS, fire retardant or PC
- Color	White
- Protection	IP 65
Installation	Duct mounted
Ship weight	0.7kg

Installation

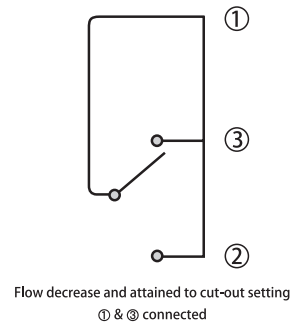
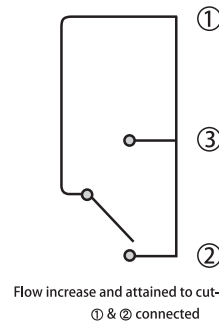
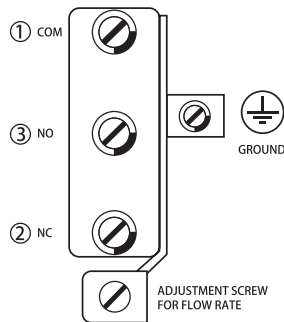
The flow switch should be mounted into a duct or chamber where the air paddle can freely point horizontally downwards. To avoid air swirl and paddle instability, straight zones should be provided for a length of 5 times the diameter of duct upstream and downstream from the installation location.



Note:

The units are factory calibrated to the minimum switch-off value. To increase the set value, adjust the range screw clockwise. Due to the risk of fracture at air speeds of higher than 5.0 m/sec, the paddle must be cut off on the marked side. When the paddle is cut off, the minimum cut-out value increases from 1.0 m/sec to 2.5 m/sec.

Electrical Wiring



Dimensions (mm)

