

Description

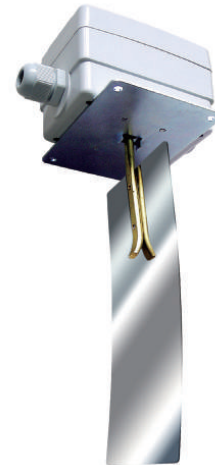
KAFS adjustable airflow switches are used to control and supervise the flow of air and non-corrosive gases in ducts and are ideal for ducts, air conditioning and air handling systems.

Features

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

Applications

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



Technical Data

Model	KAFS
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 54
Installation	Duct mounted
Ship weight	0.7 Kg

Installation

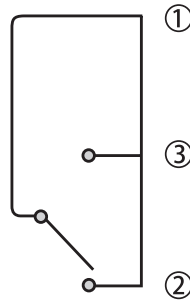
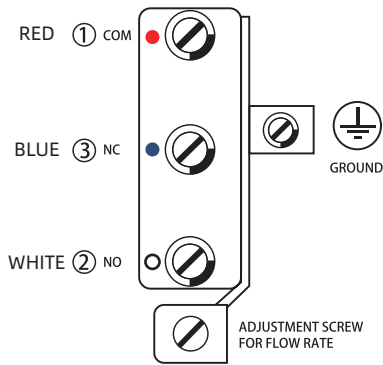
The flow switch should be mounted into a duct or chamber where the air paddle can freely point horizontally downwards. To avoid air swirl and paddle instability, straight zones should be provided for a length of 5 times the diameter of duct upstream and downstream from the installation location.



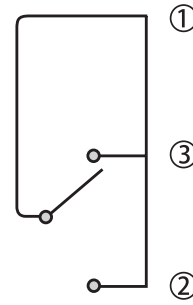
Note:

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



Flow increase and attained to cut-in setting
① & ② connected



Flow decrease and attained to cut-out setting
① & ③ connected

Dimensions (mm)

