Keram controls,Controls for future

Air Flow Switch

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

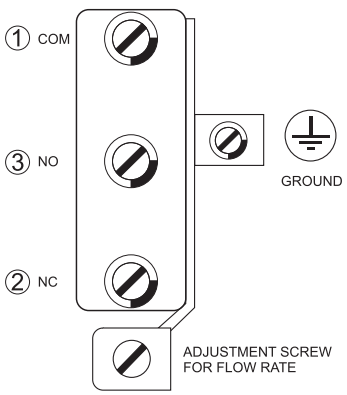
- *Renovated SPDT micro switch ensures the reliable switch function*
- *Stainless steel paddle*
- *Cut–in and cut–out*
- *Brass level*
- *IP65 housing*

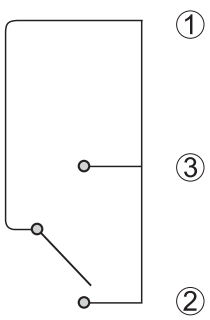
certified **ISO9001** CE

SPECIFICATIONS

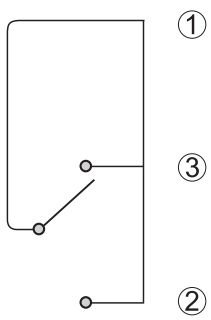
Model No.	*KAFS*
Type of operation	*On/Off, single–stage, micro switch*
Output	*SPDT, 24/250 VAC, 15 (8) A*
Flow rate switching	
– Cut–out	*Min. 1.0 m/sec, Max. 8.0 m/sec*
– Cut–in	*Min. 2.5 m/sec, Max. 9.2 m/sec*
Flow rate setting adjustment	*Internal screw*
Sensing element	*Paddle*
Paddle size	*3.2 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 65*
Installation	*Duct mounted*
Ship weight	*0.7kg*

ELECTRICAL WIRING





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



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

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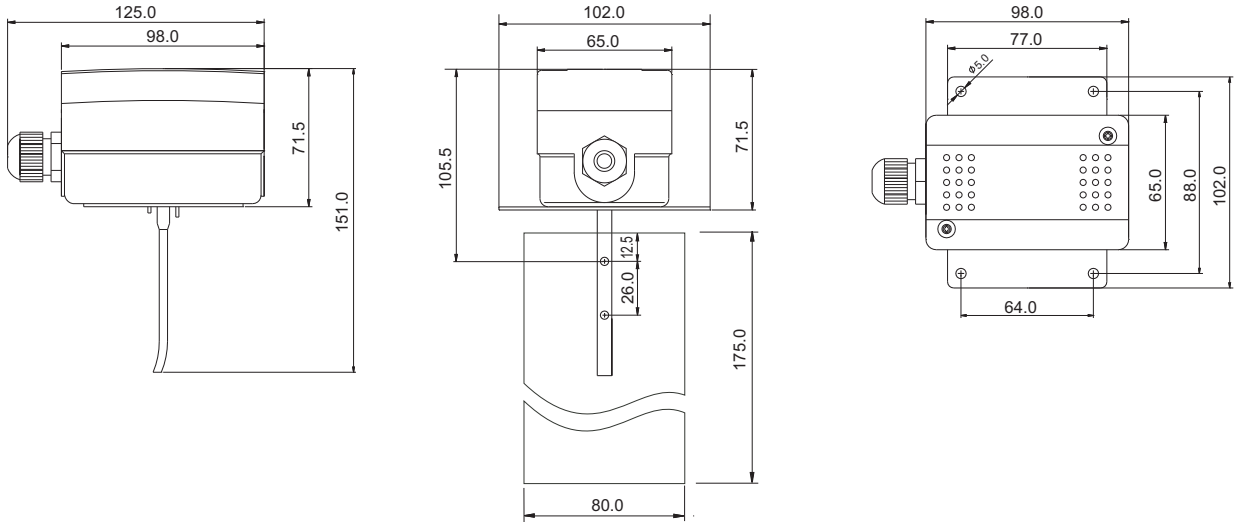
INSTALLATION

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.

DIMENSIONS (mm)



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