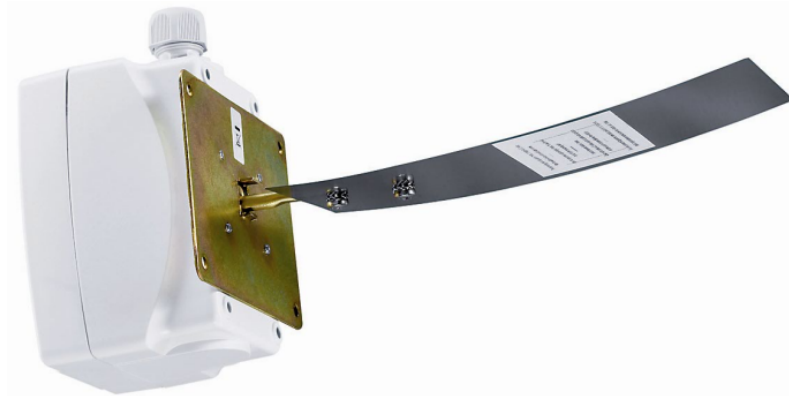


WFS-1E

Air flow switch



Summary

The air flow switch is suitable for flow monitoring of gaseous media in air ducts, supply and extract air chambers and in electric heating registers. It is operating also in polluted air containing solid articles and oil.

Application

- Monitoring of air flow in air handling units

Function

The air flow actuates the paddle which is connected to a changeover contact. The contact switches as soon as the preset air velocity is reached. It is possible to cut the paddle at marked positions for air velocity higher than 5 m/s.

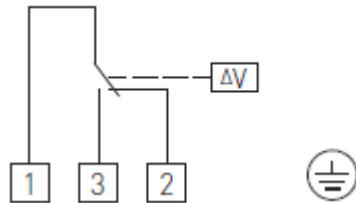
The device should be installed with the paddle down in a horizontal duct. If the air velocity is higher than 5 m/s, the paddle must be cut in the marked positions. This increases the minimum switch-off value to ca. 2.5 m/s and the minimum switch-on value to ca. 4 m/s.

Technical data

Switching capacity	15 (8) A, 24...250 V AC
Contact	sealed microswitch, one-pole changeover contact
Minimum switch-on value	2.5 m/s
Minimum switch-off value	1 m/s
Maximum switch-on value	9.2 m/s
Maximum switch-off value	8 m/s
Cover	polyamide, 30% glass fibre reinforced, white, similar to RAL 9010
Dimensions	108 x 72.5 x 70 mm, see below
Base material	zinc-coated steel
Paddle holder	brass
Paddle	steel, V2A, 1.4301

Electrical connection	screw terminals for wires 0,14 – 2,5 mm ²
Cable union	M20x1.5, incl. strain relief
Protection type	IP65 (according to EN60529)
Protection class	I (according to EN60730)
Standards	CE EMC directive 2004/108/EC low voltage directive 73/23/EWG
Ambient temperature	-40...+85 °C

Contacts



Contacts 1 – 3 (red-white) opens when air velocity drops below preset value.
Contacts 1 – 2 (red-blue) close at the same time.

Dimensions

