



FAPS

## Features

- Monitoring of flow and non-aggressive gaseous
- IP65 plastic housing
- Base in galvanised steel
- Moving arm in brass
- Vane in stainless steel

<b>Min. switch on</b>	2.5 m/sec
<b>Min. switch off</b>	1.0 m/sec
<b>Max. switch on</b>	9.2 m/sec
<b>Max. switch off</b>	8.0 m/sec

## Technical data

<b>Switching capacity</b>	15 (8) A; 24-250 Vac
<b>Contact</b>	dust proof micro switch as potential-free single-pole change over contact
<b>Enclosure</b>	plastic, material polymide, 30% glass-globe-reinforced, color pure white (similar RAL 9010)
<b>Dimensions</b>	108 x 73 x 70 mm
<b>Base</b>	galvanised steel
<b>Moving arm</b>	brass
<b>Vane</b>	stainless steel V2A, 1.4301
<b>Cable union</b>	M20, including strain relief
<b>Enclosure temp.</b>	-40 to +85°C
<b>Operation difference</b>	> 1.0 m/s
<b>Electrical connection</b>	0.14-0.15 mm <sup>2</sup> via terminal screws
<b>Protection class</b>	I (according to EN 60730)
<b>Protection type</b>	IP65 (according to IEC 529)
<b>Standards</b>	CE conformity, EMC directive 89/336/EWG, low-voltage 72/23/EWG

## Application

Air flow paddle switch FAPS is intended to monitor air flow and non-aggressive gaseous within a duct and provides a switched output on detection of either a specified air velocity or flow failure.

## Function

Monitor:

Contact 1-2 (red-white) breaks when flow rate drops to the preset value. Simultaneously, contact 1-4 (red-blue) closes and can be used as signal contact.

Device is factory-set to the minimum switch-off value, which can be increased by turning the range adjusting screw clockwise.

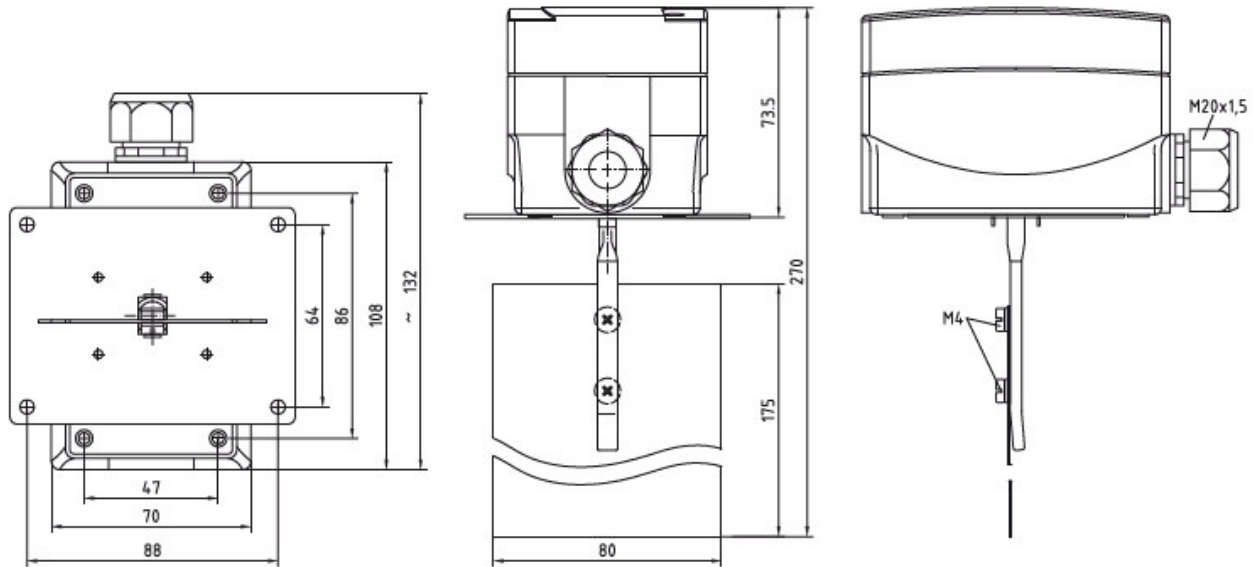
Installation:

Vertical in horizontal air duct.  
Min. smoothing distance = 5 x duct diameter upstream and down stream of vane. For airspeeds > 5 m/s vane is to be trimmed at the marked spots. Thereby, the minimum switch-off value rises to ca. 2.5 m/s and the minimum switch-on value to ca. 4 m/s.

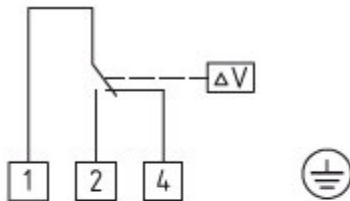
## Ordering

Type no.	Description
FAPS	Air Flow Paddle Switch

Dimensions



Electrical wiring



Red  
 White, flow  
 ≥ Switch-on value  
 Blue, no  
 flow existing  
 (flow falling below  
 the preset  
 switch-off value)

We reserve the right to make changes in our products without any notice which may effect the accuracy of the information contained in this leaflet.