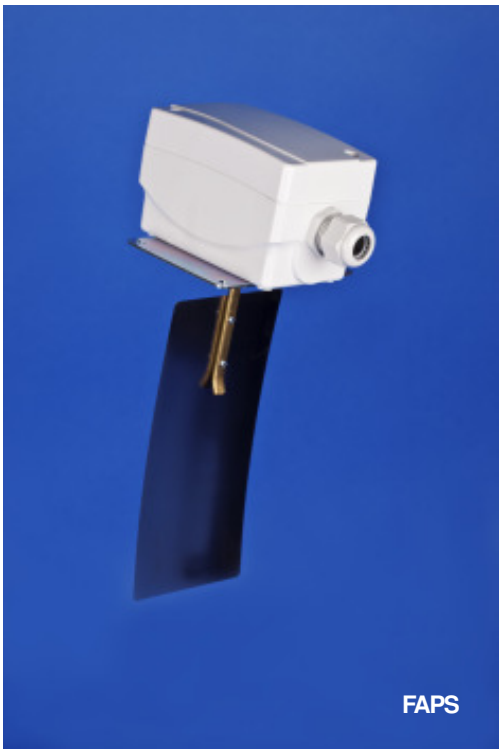


Features

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

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

Technical data

Switching capacity	15 (8) A; 24-250 Vac
Contact	dust proof micro switch as potential-free single-pole change over contact
Enclosure	plastic, material polymide, 30% glass-globe-reinforced, color pure white (similar RAL 9010)
Dimensions	108 x 73 x 70 mm
Base	galvanised steel
Moving arm	brass
Vane	stainless steel V2A, 1.4301
Cable union	M20, including strain relief
Enclosure temp.	-40 to +85°C
Operation difference	> 1.0 m/s
Electrical connection	0.14-0.15 mm2 via terminal screws
Protection class	I (according to EN 60730)
Protection type	IP65 (according to IEC 529)
Standards	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-agressive 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.

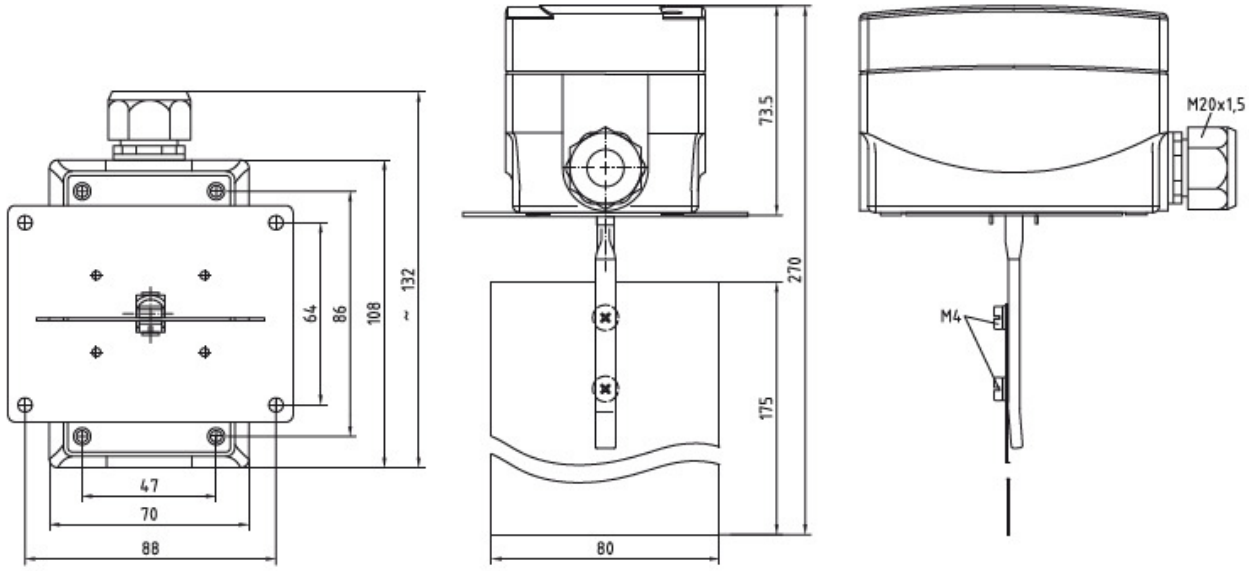
Installation:

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.

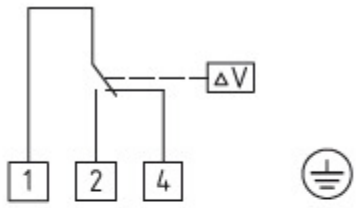
Ordering

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)