



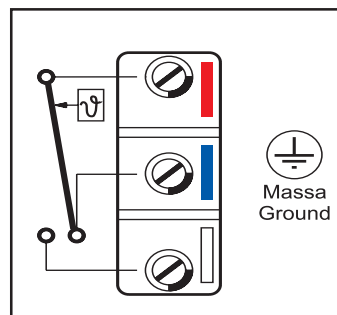
The air flowswitch serie is designed for the monitoring of the air or non aggressive gases internally of distribution air ducts for air conditioning or treatments. Those units are made in two versions:

- on a galvanized steel sheet plate with ABS cover, sealed IP65 (on the external duct side) according to EN 60529 (ex IEC 529), protection class I acc. to EN 60335-1 (ex IEC 335-1).
- in ABS casing, sealed IP65 (on the external duct side, version N) according to EN 60529 (ex IEC 529), protection class I acc. to EN 60335-1 (ex IEC 335-1).

## TECHNICAL FEATURES

- Dust-tight microswitch with switching contacts (heat/cool)
- Max. current: 15 (8) A, 24 - 250 Vac
- Working temperature: -40/+85°C
- Internal duct temperature: -10/+85°C
- Level: in brass
- Paddles: in stainless steel
- Casing (figure 1): TVI-AFS 113x70x65 mm  
TVI-AFS IN 108x70x72 mm

## ELECTRICAL WIRING



Connect the red-white contacts.  
These contacts will open when the value drops below the set level in the event of a decrease in flow.  
The contacts red-blue close at the same time and can be used as a signal contact.

# SCHEDULE

Type	Min. cut-out value m/sec	Min. cut-in value m/sec	Max. cut-out value m/sec	Max. cut-in value m/sec	Max air temperature °C
<b>TM - AFS</b>	1.0	2.5	8.0	9.2	85

**Special versions:**

- B = 2 parallel built-in microswitches
- C = Check lamp at 24 Vac
- G = Microswitch with gold contacts for low voltage
- N = Aluminium base and ABS plastic cover
- PL = ABS cover and Byblend base (max. temperature 110°C)

**Special application:**

Explosion-proof case complete of fittings and CESI approval.

**Accessories:**

The available accessories for mounting and other are indicated on page 9.2.

**Instructions of the installation:**

The TVI - AFS device may be assembled in every position duly oriented on stream.

If pipe is vertical, reset range to balance paddle weight.  
Put the provided gasket on the device fixing base to pipe.

**Note:**

The units are set at the works to the minimum switch-off value. A higher value can be selected by turning the range screw to the right. Due to the risk of fracture at higher air speed than 5 m/s the vane must be cut off on the side where marked. As a result of this, however, the minimum switch-off value as set at the works will increase from 1 m/s to 2,5 m/s.

Steadying zones should be provided for a length of 5 x diameter before and after the location of installation.

**Warnings:**

Each single operation done on the unit, either installation or maintenance, must be done without main supply on the unit and external loads. Such operations are permitted only by skilled workers. We are not responsible for possible damages caused by an inadequate installation and/or by removed or exchanged security devices.

To guarantee the sealed protection on the unit turn the cover screws and close the grommet.

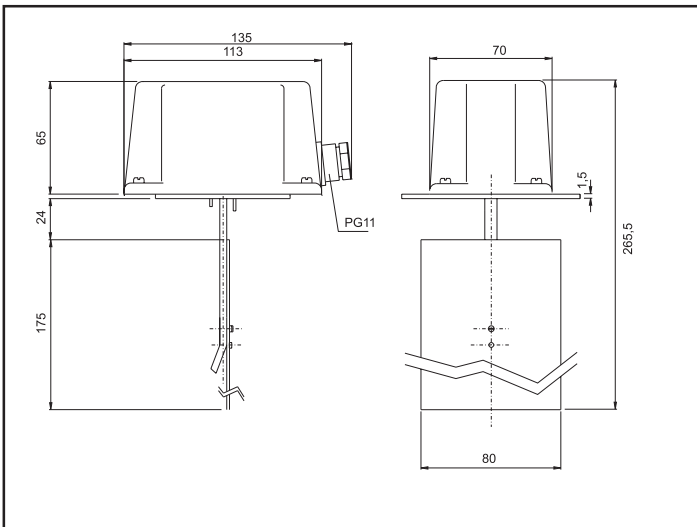


Figure 1a

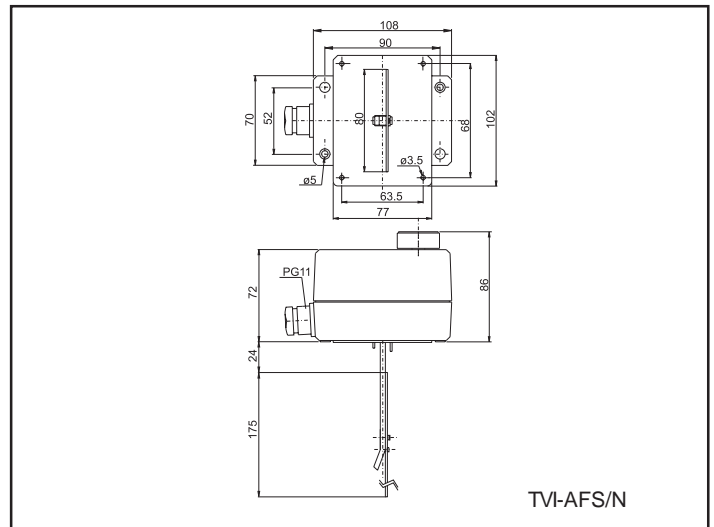


Figure 1b

