**Process Instruments** 

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#### YOUR PARTNER IN SENSOR TECHNOLOGY ELEKTRONIK® Ges.m.b.H.

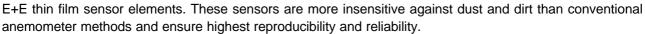
# **EE51 Series**

# Miniature Air Velocity Switch for HVAC Applications

Air velocity switches of the EE51 series are compact devices for air velocity monitoring with an excellent price/performance ratio. With the adjusting screw on the sensing probe the threshold can be set between 2 m/sec and 12m/sec.

The switching output is specified as an "open collector" output. For monitoring several ventilators it is possible to combine the EE51 outputs by means of a "wired or" - circuit.

The mode of operation is based on the hot film anemometer principle. Highest accuracy and outstanding long term stability are achieved by use of the innovative



# Typical Applications \_

switching cabinets HVAC control laminar flow control threshold easy to set compact housing high insensitivity against dust low angular dependence

**Features** 

## Technical Data

#### Output

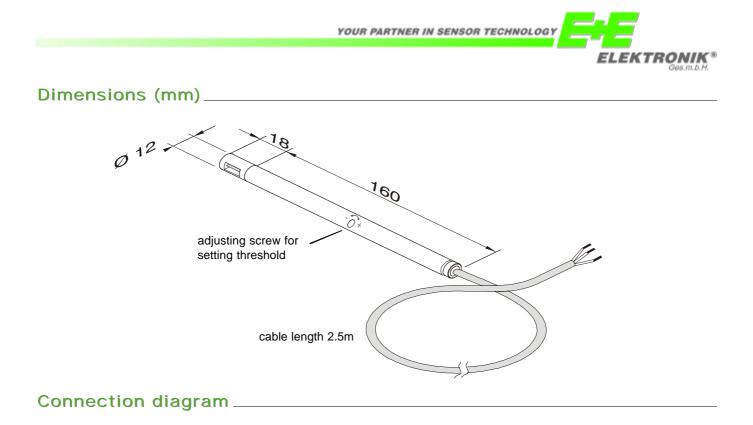
Output	switched open collector output (switching against ground)
Load at 24VDC	max. 10mA
Working range threshold	2 12 m/sec (can be set with adjusting screw)
Hysteresis	typ. 10% of measuring value
Reproducibility	< ± 2 % of end value
Response time at 10m/s	typ. 2sec

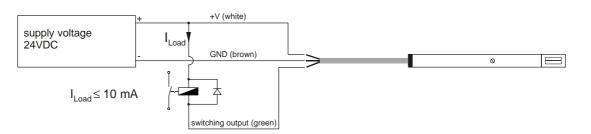
#### General

Supply voltage	24 VDC ±15 %	
Current consumption	max. 45mADC	
Cable length	2.5m	
Electrical connection	3 x 0.25 mm <sup>2</sup>	
Housing / protection class	PC / IP20	
Electromagnetic compatibility	EN 50082-1	<i>( ( (</i>
	EN 61000-6-2	
Working temperature	-20 +60°C	
Storage temperature	-20 +70°C	
Interconnection of several EE51	with "wired or" - circuit	

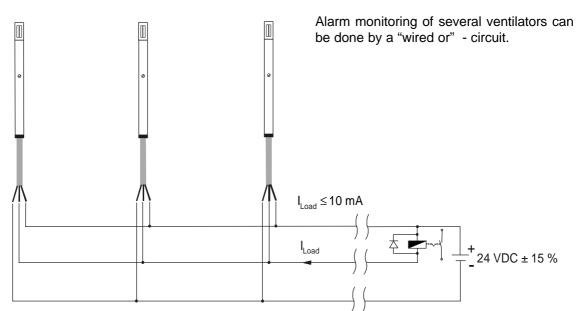
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## Ordering Guide\_

### EE51-V

Model:

air velocity switch

- mounting flange

Accessories