

Datasheet WSERD-134.446

Articlenumber: G8000428

Electronic air flow monitor for wall mounting.

The WSERD air flow monitor is suitable for monitoring fans, control flaps, humidifiers and electrical heating registers in accordance with DIN 57100, Part 420 and for use with DDC systems. The air flow monitor works according to the calorimetric principle. The extraction of heat by the air flow is measured and converted into the switching value. The sensor contains a heating element and two temperature sensors. A microcontroller controls the heating and measures the temperature differences. From the stored calibration curves, it calculates the air flow speed and transmits the value serially to the control unit. Here another microcontroller determines the switching behavior of the two relays from the default values ??of the setting controls.



Adjustable tripping value for flow with fluids	0,2 m/s
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Adjustable tripping value for flow with gases	10 m/s
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Ambient temp. for evaluation electronics from	0 °C
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Ambient temp. for evaluation electronics up to	50 °C
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Bearing temperature, lower value	-10 °C
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Bearing temperature, upper value	75 °C
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Can be read off	No
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Degree of contamination	2
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Depth	85 mm
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Electric connection	Screw terminals
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Height	69 mm
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Housing material	Plastic
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Included with probe	Yes
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Length of sensor	165 mm
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Max. sensor temperature	90 °C
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Maximum switching current	8 A
Maximum switching voltage	230 V AC, 50 Hz
Medium	Air, not aggressive
Medium temperature	-20 °C
Min. sensor temperature	-20 K
Number of switching stages	10
On-delay time	120 s
Operating voltage	100-240 VAC oder 24 V AC / DC
Potential free switching contact	Yes
Probe integrated in the device	No
Protection class	II, following appropriate mounting
Rated impulse voltage	4000 V
Sensor element	Hot film anemometer
Switching contact	2 two-way contacts
Switching difference, can be adjusted	Yes
Transistor output	15 s
Type of protection	IP65 housing side, IP 54 sensor
Width	136 mm
Wire break or measurement circuit monitoring	20 s
With display	No
With explosion protection	No

