

alre

Our WSERD airflow monitor is now available in 2 variants. The WSERD airflow monitors are the successors of the former JSL-2x types.

They are used for flow-dependent monitoring of fans, butterfly valves of humidifiers and electric heating coils in accordance with DIN 57100, Part 420, or are used in conjunction with DDC systems.

Benefits at a glance



Available in 2 variants

- 24V AC/DC and 230 V AC in one unit
- Housing variants (duct or cable sensor)
- Simple setting of functions using jumper
- Basic equipment includes 2 relays (e.g. pre-alarm)
- Recording of flow speeds
- LED-based visualisation of switching statuses - Active flow - Active switching output
- The option of mounting in any direction simplifies installation
- Simple and safe sensor cleaning
- Cost saving as the sensor head can be easily replaced without having to be recalibrated by technical personnel



*The sensor cable should be laid in the protective tube.
Cables carrying AC voltage must not be laid in parallel.*



WSERD - The sensor head

- As a matter of principle, the sensor heads must be calibrated due to mechanical and electrical tolerances.



- Relocation of measurement electronics in the sensor head
- Integrated microcontroller contains FLASH memory for saving factory calibration
- Digital data transfer to the switch box = less prone to faults than analogue values

Complete redesign of the sensor head:

- Sensitive sensor elements are now positioned inside the housing
- Fully encapsulated design thanks to use of thin-walled aluminium as the heat carrier and with slightly increased heating performance
- Simplified mounting in any direction (error rate < 2%) thanks to geometric design of sensor arrangement
- Guaranteed reproducibility of measurement even following potential cleaning cycles or maintenance work on the system

WSERD - The main circuit board

- As a matter of principle, the sensor heads must be calibrated due to mechanical and electrical tolerances.
- Voltage range of 24V AC/DC and 230V AC covered
- Reduction in heat loss in housing through use of energy-saving technology
- Second relay with options for setting the delay times and switching value is a permanent part of the unit



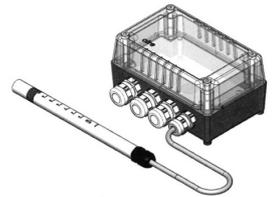


Airflow monitor WSERD-134.446

for wall mounting - sensor is connected to the control unit with the aid of a cable; measurement system comprises sensor and control unit.

Art.-Nr.	Typ	Preis
G8000428	WSERD-134.446	328,20 €

Gross list price 2021, PC III

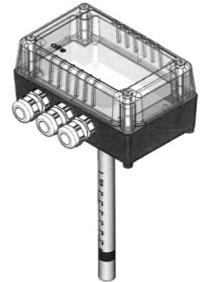


Airflow monitor WSERD-534.446

for duct mounting - sensor is permanently connected to the control unit; measurement system comprises the sensor and control unit

Art.-Nr.	Typ	Preis
G8000429	WSERD-534.446	328,20 €

Gross list price 2021, PC III



Product finder: JSL-2x becomes WSERD

OLD		NEW
JSL20	G800000400	WSERD-134.446 G8000428
JSL-20/24VAC	G800011700	
JSL-203m (ab J1)	G800013600	
JSL-21	G80001600	
JSL-20/24VAC	G800013300	

OLD		NEW
JSL-20 K	G800013300	WSERD-534.446 G8000429

Cutting edge, reliable technology for your systems.

Plant engineering has to be robust and fail-safe, as modern heating, ventilation and air conditioning systems place high demands on components, including tough environments and increasingly intensive use.

Our product portfolio includes devices for monitoring humidity, flow and pressure in order to equip supply air systems, green houses, wind tunnels, etc.

Ultra safe technology for perfectly functioning systems.





Technical data

Technical data	Brief description
Housing colour:	anthracite grey (base similar to RAL 7016, upper part transparent)
Ambient temperature:	Housing: 0 ... 60 °C; Sensor: -20 .. 90°C
Permissible air humidity:	max. 95 % r. H. (non-condensing)
Operating voltage:	24 V AC/DC; 230V AC
Max. switching current:	max. 8A
Min. switching current:	10 mA at 24 VAC
Max. switching voltage:	230 VAC 50 Hz
Min. switching voltage:	24 VAC 50 Hz
Switching element:	Relay; potential free
Working range:	0,8 m / s ... 10 m / s; max. air speed at sensor 10 m / s
Hysteresis, can be adjusted between 1 ... 10 %	
Switch-on delay:	15 ... 120 s (adjustable)
Switch-off delay:	2 ... 20 s (adjustable)
Electric connection:	Screw terminals
Installed length:	approx. 150 mm
Type of protection:	IP 65
Protection class:	II
Safety and EMC:	according to DIN EN 60730
Sensor type:	Calorimeter
Function type:	Monitor



ALRE-IT Regeltechnik GmbH
Richard-Tauber-Damm 10
D-12277 Berlin
www.alre.de

Phone: +49(0)30 399 84-0
Fax: +49(0)30 3917005
E-Mail: mail@alre.de