

Typ: JSL-21

Art.-No.: G8000016

Features:

Airflow monitor, electronic, 0...10 m/s, sensor length up to 150mm, with alarm function and locking, 2x toggler, 230VAC, 10(3)A, hysteresis adjustable

Application:

For flow-dependent monitoring of fans, adjusting butterfly valves of humidifiers and electric heat registers according to DIN 57100, part 420, or for use in conjunction with DDC systems.

Note: The sensor line is to be routed in a protective duct. Parallel routing together with lines that carry AC voltage is not permissible.

Recommended cable: 4 x 0,75 mm², shielded. Sensor cables can be extended up to 100 m.

Attention: The controller device and the sensor form an integral unit and are calibrated to one another. Only they are compatible with one another. Both have the same device number. Connecting sensors of other devices is not permissible and results in malfunctions.

Technical Data:

Dimensions of housing:	136 x 69 x 85 mm
Number of outputs:	4
Number, control range:	1
Output signal:	switching
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Switching off delay:	2...20 s
Rated impulse voltage:	4000 V
Operating voltage:	230 VAC, 50 Hz
Fitting length:	approx. 150 mm
Switching on delay:	15...120 s
setting range:	Setting range from: 0,2 m/s Setting range up to: 10 m/s
Electrical connection:	Screw-type terminals
Colour of housing:	grey (lower part like RAL 7016, upper part like RAL 7035)
Sensor:	with connecting cable
Sensor type:	Hot film anemometer
Function type:	Monitors
Hysteresis adjustable:	1...10%
Internal setting:	yes
Storage temperature:	0...+60 °C
Scope of supply:	Controller, sensor with 1,5 m cable, sensor clip for channel mounting

Material of housing:	Plastic
max. sensor temperature:	100
max. switching voltage:	230 VAC, 50 Hz
max. switching current:	10 (3) A
Medium:	Air, not aggressive
min. switching voltage:	24 VAC, 50 Hz
min. switching current:	150 mA at 24 VAC
Installation/fastening:	Wall mounting, position-independent
Surface quality:	matt
potential-free:	yes
control range:	Control range from: 0,2 m/s Control range up to: 10 m/s max. air speed at the sensor 10 m/s
Control function:	gets actuated when the flow speed that has been set is undershot, with additional alarm contact (with locking: before restarting, the machine must be de-energised electrically (Reset))
Switching element:	Relay
Switching contact:	2x changeover
Switching power:	2300 W
Degree of protection:	IP 65
Protection class:	II
Safety and EMC:	according to DIN EN 60730
Set point adjuster:	yes
Ambient temperature up to:	60
Ambient temperature from:	0
Degree of fouling:	II
Permissible atmospheric humidity:	max. 95% r.h., non-condensing

Circuit Diagram:

