Data Sheet JDL-116

Article number: H530960

Differential pressure switch, 250...5000 Pa, internal setting

Differential pressure switch for monitoring overpressure, differential pressure or negative pressure of air and non-flammable, non-aggressive gases. Can be used as a fume cupboard or fan monitor or flow monitor to protect electrical heating registers, as a filter monitor, low air pressure protection or limit value controller. Note: Once the differential pressure switch has switched a voltage > 24 V and a current > 0.1 A, the gold coating on the contacts is burnt off. After this, the differential pressure switch can only be operated with this or a higher power. Note: The JZ-06/1 hose set is not included in the scope of delivery and must be ordered separately. Supplied with attached mounting bracket JZ-10.

Number of outputs	2
Number of control ranges	1
Output signal	switching
External setting	No
Operation	internal setpoint adjuster
Pressure connection	6.2 mm
Electric connection	screw terminals
Electronic version	No
With explosion protection	No

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Colour	black
Sensor element	pressure membrane
Function type (systems engineering)	monitor
Internal setting	Yes
Bearing temperature	–15 … 80 °C
Max. air humidity (non-condensing)	95 % r.H.
Housing material	plastic
Max. Pressure	30000 Pa
Max. switching voltage	230 VAC, 50 Hz / 24 VDC
Max. switching current	5 (1) A (230 VAC), 1 A (24 VDC), 0,2 A (30 VDC)
Medium	Air
Medium temperature	-15 … 80 °C
Min. switching voltage	12 VAC, 50 Hz / 12 VDC
Mounting/attachment	wall mounting
Pressure control range	250 … 5000 Pa
Control function, overpressure or underpressure	Yes
Switching differential	150 … 60 Pa
Switching contact	two-way contact
Potential free switching contact	Yes
Protection class	IP54
Protection class	II, following appropriate mounting
Safety and EMC	in accordance with DIN EN 60730

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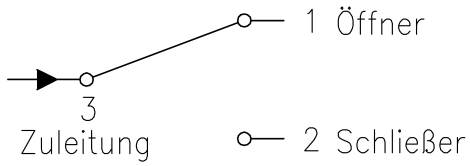
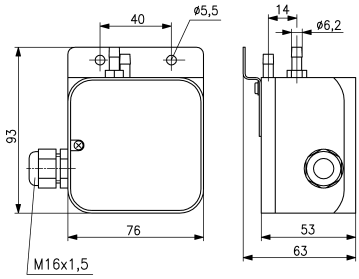
Ambient temperature	-15 … 80 °C
Degree of contamination	2





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