

## Data Sheet JDL-111

Article number: H5309098

Differential pressure switch, 20...300 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

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	15000 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
Min. switching current	1 mA
Mounting/attachment	wall mounting
Surface finish	matt
Pressure control range	20 ... 300 Pa
Control function, overpressure or underpressure	Yes
Switching differential	15 ... 10 Pa
Switching element	microswitch
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
Ambient temperature	-15 ... 80 °C
Degree of contamination	2

