

# Typ: JDL-111



**Art.-No.:** H5309098

## **Features:**

Differential pressure switch with angle bracket, mechanical, 20...300Pa, monitor, , Toggler, 12-230 VAC, 5(1)AAC, 12-24 VDC, 1(0,2)ADC, hysteresis 10...15Pa

## **Application:**

Monitoring of overpressure, differential or under-pressure of air and incombustible, non-aggressive gases. Exhaust or fan monitoring or flow monitor for securing electrical heat registers, as filter monitoring, air pressure shortage safeguard, limit value controller.

JDW-...: Supplied without mounting bracket, can be screwed on directly (with 2 screws).

JDW-...Z: Supplied with attached mounting bracket JZ-10.

JDL-...: Supplied with attached mounting bracket JZ-10.

Note: Once the differential pressure switch has connected a voltage  $> 24$  V and a current  $> 0,1$  A, the gold layer at the contacts will have burnt away. Thereafter, the differential pressure switch can only be operated at this or a higher power.

Note: The hose set is not a part of the delivery scope and must be ordered separately.

## **Technical Data:**

Dimensions of housing:	d105 x 67 mm
Number of outputs:	2
Number, control range:	1
Output signal:	switching
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Rated impulse voltage:	4000 V
Operating voltage:	none

Pressure:	yes
Pressure connection:	6,2 mm
setting range to:	300
setting range:	all data in Pa
setting range from:	20
Electrical connection:	Screw-type terminals
Colour of housing:	black
Sensor:	Pressure membrane
Function type:	Monitors
Weight:	ca. 300
Hysteresis:	approx. 10...15 Pa depending on the setting range
Internal setting:	yes
Storage temperature:	-15...+80 °C
Scope of supply:	Differential pressure switch with angle bracket
Material of housing:	Plastic
max. pressure:	15000 Pa
max. sensor temperature:	80
max. switching voltage:	230 VAC, 50 Hz 24 VDC
max. switching current:	5 (1) AAC 1 (0,2) ADC
Medium:	Air, not aggressive
min. switching voltage:	12 VAC, 50 Hz 12 VDC
min. switching current:	1 mA
Installation/fastening:	Wall mounting
Surface quality:	matt
potential-free:	yes
Control range up to:	300
Control range from:	20
Control function:	switches if the pressure is undershot or overshoot
Switching element:	Microswitch
Switching contact:	Toggler, gold contact
Switching power:	1150 WAC, 24 WDC
Degree of protection:	IP 54
Protection class:	II
Safety and EMC:	according to DIN EN 60730
Silicon-free:	yes
Set point adjuster:	yes
Ambient temperature up to:	80
Ambient temperature from:	-15
Degree of fouling:	II
Accessories:	connection set: JZ-06/1
permissible medium temperature:	-15...+80°C
Permissible atmospheric humidity:	max. 95% r.h., non-condensing

### Circuit Diagram:

