

Typ: JDW-10

Art.-No.: H530997

Features:

Differential pressure switch, mechanical, 400...1600Pa, monitor, , Toggler, 12-230 VAC, 1,5(0,4)AAC, 12-24 VDC, 1(0,2)ADC, hysteresis 30...60Pa

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:

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|------------------------|---|
| Dimensions of housing: | 86 x 46,5 x 90 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: | 1600 |
| setting range: | all data in Pa |
| setting range from: | 400 |
| Electrical connection: | Screw-type terminals |
| Colour of housing: | black |
| Sensor: | Pressure membrane |
| Function type: | Monitors |
| Hysteresis: | approx. 30...60 Pa depending on the setting range |

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|-----------------------------------|--|
| Internal setting: | yes |
| Storage temperature: | -15...+80 °C |
| Scope of supply: | Differential pressure switch |
| Material of housing: | Plastic |
| max. pressure: | 5000 Pa |
| max. sensor temperature: | 80 |
| max. switching voltage: | 230 VAC, 50 Hz 24 VDC |
| max. switching current: | 1,5 (0,4) 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: | 1600 |
| Control range from: | 400 |
| Control function: | switches if the pressure is undershot or overshoot |
| Switching element: | Microswitch |
| Switching contact: | Toggler, gold contact |
| Switching power: | 345 WAC, 24 WDC |
| Degree of protection: | IP 54 |
| Protection class: | II |
| Safety and EMC: | according to DIN EN 60730 |
| Set point adjuster: | yes |
| Ambient temperature up to: | 80 |
| Ambient temperature from: | -15 |
| Degree of fouling: | II |
| Accessories: | connection set: JZ-06/1, installation bracket: JZ-10 |
| permissible medium temperature: | -15...+80°C |
| Permissible atmospheric humidity: | max. 95% r.h., non-condensing |

Circuit Diagram:

