

Data Sheet JDL-112

Article number: H5309100

Differential pressure switch, 40...600 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.



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|---------------------------|----------------------------|
| 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 |
| Min. switching current | 1 mA |
| Mounting/attachment | wall mounting |
| Surface finish | matt |
| Pressure control range | 40 ... 600 Pa |
| Control function, overpressure or underpressure | Yes |
| Switching differential | 33 ... 22 Pa |
| Switching element | microswitch |
| Switching contact | two-way contact |
| Potential free switching contact | Yes |

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|-------------------------|------------------------------------|
| 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 |

