

## Datasheet JDW-10

Articlenumber: H530997

Differential pressure switch, 400...1600Pa, 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 without mounting bracket, can be screwed on directly (with 2 screws).



|                                                 |                                                     |
|-------------------------------------------------|-----------------------------------------------------|
| Ambient temperature                             | ?15 ... 80 °C                                       |
| Bearing temperature                             | 15 ... 80 °C                                        |
| Colour                                          | Black                                               |
| Control function, overpressure or underpressure | Yes                                                 |
| Degree of contamination                         | 2                                                   |
| Electric connection                             | Screw terminals                                     |
| Electronic version                              | No                                                  |
| External setting                                | No                                                  |
| Function type (systems engineering)             | Monitor                                             |
| Housing material                                | Plastic                                             |
| Internal setting                                | Yes                                                 |
| Max. air humidity (non-condensing)              | 95 % r.H.                                           |
| Max. Pressure                                   | 5000 Pa                                             |
| Max. switching current                          | 1,5 (0,4) A (230 VAC), (1) (24 VAC), 0,2 A (30 VDC) |
| Max. switching voltage                          | 230 VAC, 50 Hz / 24 VDC                             |

|                                  |                                    |
|----------------------------------|------------------------------------|
| Medium                           | Air                                |
| Medium temperature               | ?15 ... 80 °C                      |
| Min. switching current           | 1 mA                               |
| Min. switching voltage           | 12 VAC, 50 Hz / 12 VDC             |
| Montage/Befestigung              | Wall mounting                      |
| Number of control ranges         | 1                                  |
| Number of outputs                | 2                                  |
| Operation                        | Internal setpoint adjuster         |
| Output signal                    | Switching                          |
| Potential free switching contact | Yes                                |
| Pressure connection              | 6.2 mm                             |
| Protection class                 | II, following appropriate mounting |
| Regelbereich Druck               | 400 ... 1600 Pa                    |
| Safety and EMC                   | In accordance with DIN EN 60730    |
| Sensor element                   | Pressure membrane                  |
| Surface finish                   | Matt                               |
| Switching contact                | Two-way contact                    |
| Switching differential           | 60 ... 30 Pa                       |
| Switching element                | Microswitch                        |
| With explosion protection        | No                                 |

