

Ejggfsfoujbm qsf ttvsf txjudi > Serie EMDD



Ejggfsfoujbm qsf ttvsf n fbtvsf n fou ufdiopphz

- ✓ **Particularly economical**
- ✓ **Infinitely adjustable with a large scale**
- ✓ **Metric cable gland**
- ✓ **Also available with gold contacts and in silicone-free versions**
- ✓ **Vertical and horizontal installation positions**
- ✓ **Optional accessories (2 x pressure sampling ports with screws, 2 m PVC hose)**



TECHNICAL SPECIFICATIONS

- Membrane material : Standard: Silicone
Option: NBR (silicone-free)
- Temperature range : -20 ... +85 °C
- Max. overpressure : 10 kPa
- Pressure connections : P1 (+) / P2(-) with 6,0 mm Ø
- Switching capacity : Standard: 1,0 A, 250 Vac
Option: Low-voltage version: < 0,1 A, 24 Vdc
- El. Connections : Flat connectors 6,3 x 0,8 DIN 46244 with screw terminals up to 2.5 mm²
- Approvals : Switches approved according to VDE 0630 ÜG1652 for 1.5A.
DVGW-approval according to DIN 3398 Teil 2. EG Type examination EN 1854
- Protection class: with protective cap IP54
- Housing material : Switch housing made of PA 6.6
POM mounting part
- Lifespan : > 10⁶ switching cycles
- Applications : Differential pressure switch for monitoring non-flammable and non-aggressive gases.
- Druckmedien : Air and non-flammable and non-aggressive gases

MODELS / RANGES

Type	Setting range for upper switching point		Set switching differential	Tolerance
	von	bis		
EMDD 20	20 Pa	200 Pa	10 Pa	± 15 %
EMDD 30	30 Pa	400 Pa	15 Pa	± 15 %
EMDD 50	50 Pa	500 Pa	20 Pa	± 15 %
EMDD 200	200 Pa	1000 Pa	100 Pa	± 15 %
EMDD 500	500 Pa	2500 Pa	150 Pa	± 15 %

Specification for switching point in vertical installation position

The setpoint (switching point) can be adjusted using a potentiometer with a guide scale (no pressure gauge). The switching differential can be adjusted with a screwdriver.

FUNCTION / COMMISSIONING

All work (such as installation, electrical connection, commissioning, operation, and maintenance) must be carried out exclusively by sufficiently qualified professionals. The locally applicable regulations and rules (e.g., state building codes, electrical/VDE guidelines, etc.) must be observed. The installer and operator are obligated to obtain sufficient information before commissioning. Read the product description before commissioning the device. Ensure that the product is fully suitable for the intended application. We cannot accept liability for printing errors or changes made after printing. Proper use also includes adherence to the operating and installation instructions. We accept no liability for damage caused by improper use. Unauthorized or improper modifications and alterations to the device will invalidate the operating permit as well as any warranty and guarantee claims. Intended Use: The adjustable differential pressure switches primarily perform the following functions:

- Monitoring of overpressure, underpressure, or differential pressure of air
- Monitoring of air filters and fans as well as the airflow in ventilation shafts, cooling air circuits, air heaters, etc.
- Functional monitoring by controlling the airflow (e.g. of [air] filters, air and fire protection dampers, blowers, fans or the tightness of closed systems)

DIMENSIONAL DRAWING

