

TEB930

THE ADJUSTABLE

DIFFERENTIAL PRESSURE SWITCH



Applications

Adjustable differential pressure switch for monitoring overpressure, vacuum and differential pressure of air or other non-combustible, non-aggressive gases. Possible fields of application include:

- Monitoring air filters and ventilators
- Monitoring industrial cooling-air circuits
- Overheating protection for fan heaters
- Monitoring flows in ventilation ducts
- Controlling air and fire-protection flaps
- Frost protection for heat exchangers

Versions

With this pressure switch the switching pressure can be adjusted without a pressure gauge using a scaled adjustment knob. The switching differential can also be adjusted with a screwdriver.

Type	Adjustment range for upper switching	Switching differential	Tolerance for upper and lower
930.80	20 200 Pa	10 Pa	± 15%
930.81	30 300 Pa	20 Pa	± 15%
930.82	50 500 Pa	30 Pa	± 15%
930.83	200 1000 Pa	100 Pa	± 15%
930.85	500 2500 Pa	150 Pa	± 15%
930.86	1000 4000 Pa	250 Pa	± 15%

Switching pressure specifications apply to vertical installation which is also the recommended position with pressure-pipe connections pointing downwards. If the switches are installed horizontally with AMP connection terminals uppermost, the switching values are approx. 20 Pa higher.

Maximum operating pressure
10 kPa for all pressure ranges.

Medium
Air, non-combustible and non-aggressive gases.

Temperature range
Medium and ambient temperature from -20°C to +85°C. Storage temperature from -40°C to +85°C.

Diaphragm material
Silicone, tempered at 200°C, free of gas emissions. Other materials available on request.

Pressure connections

2 plastic pipe connection pieces (P1 and P2), external diameter 6.0 mm:
P1 for connection to higher pressure (marked +) P2 for connection to lower pressure (marked -)

Housing materials Switch body made of PA 6.6. Cover made of PS.

Weight

With cover 150 g Without cover 110 g

Mechanical working life

Over 106 switching operations.

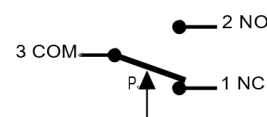
Electrical rating

Standard version max. 1.0 A (0.4 A) / 250 VAC Low-voltage version max. 0.1 A / 24 VDC

Electrical connections

AMP flat plug 6.3 mm x 0.8 mm in accordance with DIN 46244 or push-on screw terminals. Cable conduit PG-11 or M20x1.5 with cable strain relief.

Arrangement of contacts



- 1 Break contact.
- 2 Operating contact
- 3 Power supply line

Accessories



Dimensions

