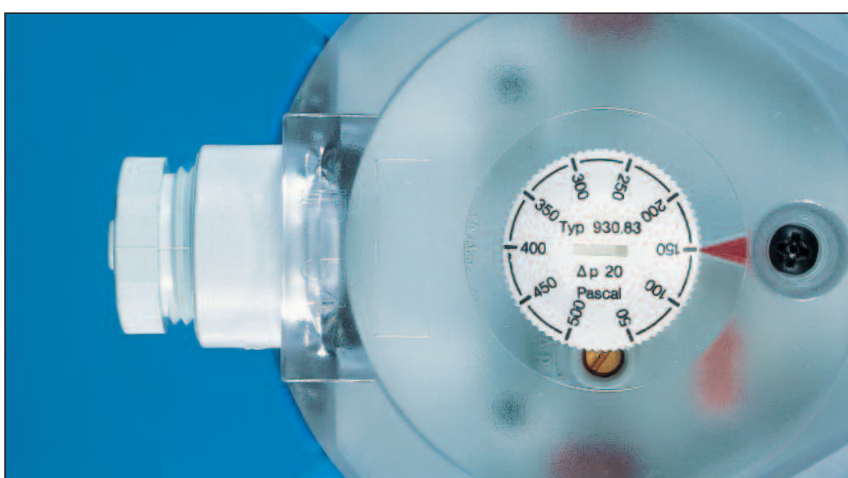


# Beck.

## The adjustable differential pressure switches.



# Differential pressure switch 930.8x Climair®

with adjustable switching pressure



## 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 pressure from to	Switching differential set to	Tolerance for upper and lower switching pressure
930.80	20 300 Pa	10 Pa	± 15%
930.84	30 400 Pa	15 Pa	± 15%
930.83	50 500 Pa	20 Pa	± 15%
930.85	200 1000 Pa	100 Pa	± 15%
930.86	500 2500 Pa	150 Pa	± 15%
930.87	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 10<sup>6</sup> switching operations.

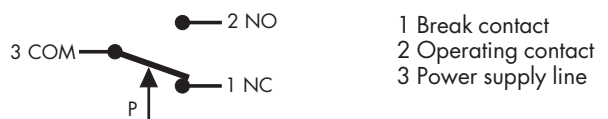
## Electrical rating

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 with cable strain relief.

## Arrangement of contacts



## Protection category

IP 54 with cover  
IP 00 without cover

## CE Conformity

each depending on technical specification: Low Voltage Directive 2006/95/EC; RoHS Directive 2002/95/EC; Gas Appliance Directive 90/396/EC; ATEX- Directive 94/9/EC.

## Accessories

See order matrix.