

ATEX APDS ATEX Air Pressure Differential Range

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
- Ex zones 1, 2 and 21, 22 with ATEX type examination

Versions Available:

Pressure Ranges		Switching Differential	Repeatability Of The Switching Pressure	
From	To			
20Pa	200Pa	10Pa	±5 %	Min. ±5Pa
20Pa	300Pa	10Pa	±5 %	Min. ±5Pa
30Pa	400Pa	15Pa	±5 %	Min. ±5Pa
50Pa	500Pa	20Pa	±2.5 %	Min. ±5Pa
200Pa	1000Pa	100Pa	±1 %	Min. ±5Pa
500Pa	2500Pa	150Pa	±1 %	Min. ±5Pa
1000Pa	5000Pa	250Pa	±1 %	

Maximum Operating Pressures:

10 kPa for all pressure ranges

Temperature Range:

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

Diaphragm Material:

Silicone, free of gas emissions.

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 and cover of plastic

Electrical Rating

Max. 100 mA / 24 VAC, 30 mA / 24VDC

Electrical Connection:

Tab terminals 6.3x0.8 mm in accordance with DIN 46244

Protection

IP54 with cover. Protection class II.

ATEX

EC type examination BVC 06 ATEX E 141 X

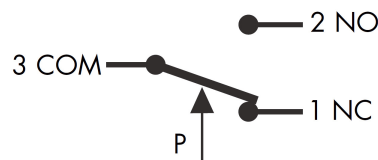
Device category II 2G and II 2D

Ignition protection Ex ia IIB T4 Gb and
Ex ia IIB T135°C Db

Conformity

EU ATEX Directive
EU RoHS Directive

Arrangement Of Contacts



1 NC - Break contact

2 NO - Operating contact

3 COM - Power Supply Line