

Differential Pressure Switches Type A2G-40

WIKA Datasheet A2G-40

Applications

- Ideal for use with air and other non-combustible gases
- Monitoring of air filters, fans, industrial cold air circuits, air flow in ventilation ducts and the control of air and fire shutters
- Overpressure monitoring in cleanrooms and laboratories

Special Features

- Compact size
- Easy installation and mounting
- Robust housing and functional design
- Standard accessories included



Differential Pressure Switch Type A2G-40

Description

Version

In accordance with the European low-voltage directive 73/23/EEC

Reference table below for **Dead Band**,
Switching Increments and **Measuring Ranges**

Maximum pressure

200 InWC

Operating temperature

Ambient: -40 °F ... +185 °F
Medium: -20 °F ... +160 °F

Ingress protection

NEMA 3 (IP 54 per EN 60 529 / IEC 529)

Weight

5.2 ounces

Set Point Range InWC (Pa)	Switching Increments InWC (Pa)	Approx. Dead Band at min. Set Point InWC (Pa)	Approx. Dead Band at mmax. Set Point InWC (Pa)
0.08 to 0.80 (20 ... 200)	0.04 (10)	± 0.02 (5)	± 0.08 (20)
0.12 to 1.20 (30 ... 300)	0.08 (20)	± 0.02 (5)	± 0.12 (30)
0.12 to 2.00 (30 ... 500)	0.08 (20)	± 0.02 (5)	± 0.12 (30)
0.16 to 2.40 (40 ... 600)	0.12 (30)	± 0.02 (5)	± 0.12 (30)
0.40 to 6.00 (100 ... 1500)	0.30 (80)	± 0.04 (10)	± 0.20 (50)
2.00 to 18.0 (500 ... 4500)	0.70 (180)	± 0.20 (50)	± 0.80 (200)

Standard features

Process connection

Hose barb nozzles (ABS) for $\frac{3}{16}$ " and $\frac{1}{4}$ " hose ID

Membrane

Silicone

Case

Plastic (ABS)

Window Cover

Polycarbonate

Gaskets

Plastic

Standard accessories

2 mounting screws

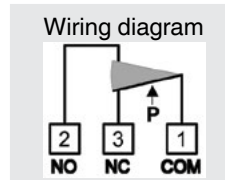
Electrical connection

Screw terminals

PG-gland M16

Micro Switch

One (1) SPDT (single pole double throw)



1-3 opens / 1-2 closes on reaching the set point
(differential pressure)

Contact rating

Measuring ranges	Contact rating		Contact material
	With resistive load	With inductive load	
0.08 InWC to 0.8 InWC	0.1 A / AC 250 V	—	Gold
0.12 InWC to 1.2 InWC	3 A / AC 250 V	2 A / AC 250 V	Silver
0.12 InWC to 2.0 InWC	3 A / AC 250 V	2 A / AC 250 V	Silver
0.16 InWC to 1.6 InWC	3 A / AC 250 V	2 A / AC 250 V	Silver
0.4 InWC to 6.0 InWC	3 A / AC 250 V	2 A / AC 250 V	Silver
2.0 InWC to 18.0 InWC	5 A / AC 250 V	2 A / AC 250 V	Silver

Options

- 2 duct connections
- 6 foot PVC hose, $\frac{3}{16}$ " hose ID

Dimensions in inches

