Differential Pressure Switches Type 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 3⁄16" and ¼" hose ID

Membrane
Silicone

Case
Plastic (ABS)

Window Cover
Polycarbonate

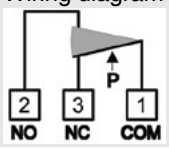
Gaskets
Plastic

Standard accessories
2 mounting screws

Electrical connection
Screw terminals
PG-gland M16

Micro Switch
One (1) SPDT (single pole double throw)

Wiring diagram



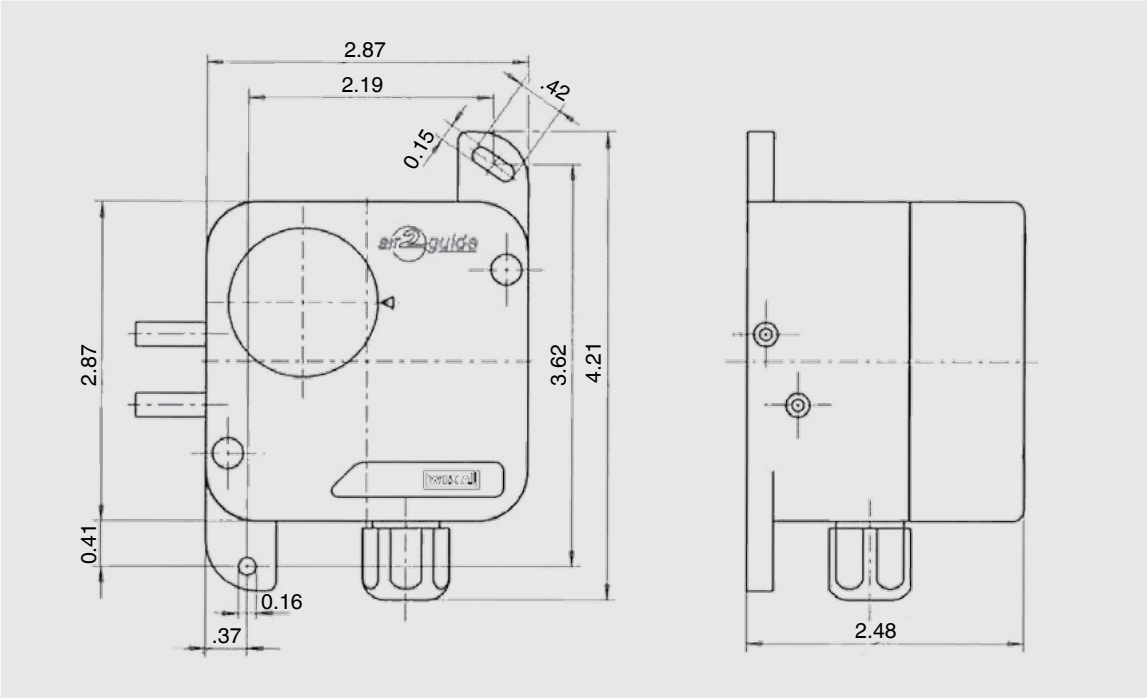
1-3 opens / 1-2 closes on reaching the set point
(differential pressure)

Contact rating

Measuring ranges	Contact rating		
	With resistive load	With inductive load	Contact material
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, 3⁄16" hose ID

Dimensions in inches



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The specifications given in this document represent the state of engineering at the time of publishing.
We reserve the right to make modifications to the specifications and materials.

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Quotation

QUO00014366-2

Quotation date: 6/20/2018
Customer no.

Quotation number QUO00014366

Customer ref.	.....	Drop Ship Reference	.....
Order date	6/20/2018	Contact person	NEW CUSTOMER
Contact person	.....	Phone	.....
Contact email	.....	Telefax	.....
Contact phone	.....	Email	.....
Tax	.....		
Payment Terms	.....	Delivery date	- check lines -
Currency	USD		
Expiration date	12/12/2018	Mode of delivery	.....

Line	Qty Unit	Item	Lead Time (Forecasted)	Unit price	per	Net value
10	2.00 Pcs	PART # PENDING Part Number: TBD W-PROOF PR. SWITCH SERIES MW MWTXUN VERSION : STANDARD RANGE : 0/6 BAR PROCESS CONNECTION : 1/4" NPT-F CABLE ENTRY : 1/2" NPT-F OPTIONS : STANDARD OTHER OPTIONS : STANDARD EXECUTION : WEATHER-PROOF - IP 66 ELEMENT TYPE : DIAPHRAGM ELEMENT MATERIAL : AISI 304 + PTFE CONNECTION MATERIAL : AISI 316L MICROSWITH : N°1 SPDT CONTACTS IN AIR DEAD BAND : FIXED, LOWER THAN 100 MBAR WORKING RANGE : 0/6 BAR PROOF PRESSURE : 12 BAR TECHNICAL BULLETIN : PT-B1-11 AMBIENT TEMPERATURE LIMIT -60/+85°C	5 - 6 weeks	455.42	/0.00	910.84
20	1.00 Pcs	52410480 A2G-40 0.12/2INWC air2guide S differential pressure switch A2G-40 Specifications according to data sheet	3 - 4 weeks	37.24	/1.00	37.24

Line	Qty Unit	Item	Lead Time (Forecasted)	Unit price	per	Net value
		ectrical rating: 3A / 250 VAC : 40S Unit: 0- Range: 0-7C Front panal design: J Accessories: power supply US-standard Additional order details: - Certificates: without				

Sales balance	**948.08**
Total net amount	**948.08**
Amount	**948.08**

Lead time may vary at the time of order due to materials, availability, and capacity.
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