

FILTER ALERTS DPG/PS Series

Combination of a differential pressure gauge and a differential pressure switch

In many situations filter monitoring requires an alarm signal and a local display. Our filter alerts are the right solution for these situations. The DPG/PS filter alerts combine differential pressure switches with gauges into one practical product offering.



SIMILAR PRODUCTS

- DPI series electronic differential pressure switches

APPLICATIONS

The filter alerts are a solution for systems requiring visual indication of pressure on site and a switching point signal. The filter alerts are ideal for general-purpose work in air-conditioning and ventilation, especially in monitoring of air filters for contamination.

MODEL SUMMARY

Description	Model	Product code	Measurement range DPG (Pa)	Measurement range PS (Pa)
Differential pressure gauge and pressure switch combinaison	DPG200/PS200	109.001.001	0–200 Pa	20–200 Pa
Differential pressure gauge and pressure switch combinaison	DPG600/PS600	109.002.001	0–600 Pa	40–600 Pa
Differential pressure gauge and pressure switch combinaison	DPG1,5K/PS1500	109.003.001	0–1500 Pa	100–1500 Pa

FILTER ALERTS

DPG/PS Series

SPECIFICATIONS

Performance

Accuracy of gauge (FS 20 °C):
±2 %

Switching difference:

DPG200/PS200: 10 Pa

DPG600/PS600: 30 Pa

DPG1,5K/PS1500: 80 Pa

Accuracy of switching point (Low limit typ.):

DPG200/PS200: 20 Pa ±5 Pa

DPG600/PS600: 40 Pa ±5 Pa

DPG1,5K/PS1500: 100 Pa ±10 Pa

Accuracy of switching point (High limit typ.):

DPG200/PS200: 200 Pa ±20 Pa

DPG600/PS600: 600 Pa ±30 Pa

DPG1,5K/PS1500: 1500 Pa ±50 Pa

Maximum pressure:

50 kPa

Service life:

> 1 000 000 switching operations

Technical specifications

Media compatibility:

Dry air or non-aggressive gases

Measuring units:

Pa

Environment:

Operating temperature: -5...+60 °C

Storage temperature: -40...+85 °C

Physical

Case (DPG & PS):

ABS

Cover (DPG & PS):

PC

Membrane (DPG & PS):

Silicone

Machinery (DPG):

Aluminum and steel spring

Duct connectors (PS):

ABS

Tubing (PS):

PVC, soft

Protection standard:

IP54

Electrical connections:

3-screw terminal

Cable entry:

M16

Pressure fittings:

Male Ø 5 mm

Weight:

510 g

Conformance

Meets the requirements for CE marking:

EMC Directive 89/336/EEC

Rohs Directive 2002/95/EY

Low voltage 73/32/EEC