

DATA SHEET

# DIFFERENTIAL PRESSURE SWITCHES SI-DPMS



The Si-DPMS mechanical differential pressure switches offer a reliable solution for a simple and yet effective pressure control of aerualc elements, such as ducts, filters or fans. It also suits for over heating protection and frost protection in industrial cooling systems. Easy to install, field selectable switching point. They can be mounted in parallel with a manometer.



**Cost-effective solution to monitor key air treatment and control systems in HVACR installations and building automation**



**Convenient offer, with various differential pressure ranges**



**Field selectable threshold for quick configuration**



**Easy to install. The mounting accessories are delivered with the instrument**



**Orientable cable gland**

## Presentation of the range

Model	Setting range <sup>1</sup>	Switching Differential	Maximum pressure	Tolerances
Si-DPMS-1	20-200 Pa	10 Pa	10 000 Pa	≤ ±15 %
Si-DPMS-2	50-500 Pa	20 Pa		≤ ±15 %
Si-DPMS-3	200-1000 Pa	100 Pa		≤ ±15 %
Si-DPMS-4	500-2500 Pa	150 Pa		≤ ±15 %
Si-DPMS-5	1000-5000 Pa	250 Pa		≤ ±15 %

<sup>1</sup> Pressure values referred to vertical installation. If the device is installed horizontally, these values increase by 20 Pa.

The Si-DPMS pressure switches are supplied with protective cover, mounting bracket, mounting screws, pressure connectors and clear tube.

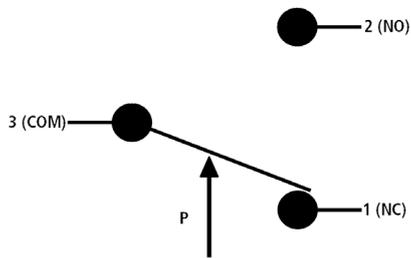
## General features

Media	Air, non-combustible and non-aggressive gases
Maximum pressure	10 kPa
Mounting	Vertical
Protection	IP54 (with cover), IP00 (without cover)
Operating temperature	-40 °C to +85 °C
Relay type	SPDT
Electrical rating	Resistance: initial: < 50 mΩ Current: 1.5 A (0.4 A) / 250 V
Contact terminals	6.3 mm x 0.8 mm blade or screw terminal
Connection	Ø 6.0 mm for tube connection
Certification	CE

## Main Applications

- Monitoring of filter clogging in HVAC installations
- Monitoring of fans in HVAC installations
- Dynamic pressure and air flow monitoring
- Dampers and valves monitoring

## Wiring



Disconnect the device from any power supply before opening the cover.

## Included accessories

- 1.5 m clear PVC tube
- 2x pressure connectors



## Dimensions

Dimensions in mm

