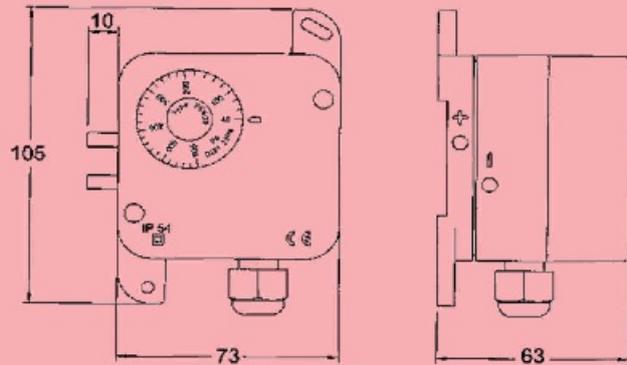


AEROSENSE DIFFERENTIAL PRESSURE SWITCHES



Series PS is a mechanical differential pressure switches offer a cost-effective solution for filter, fan and duct pressure monitoring in building automation systems in the HVAC/R industry. **Series PS** products offer field selectable switching point adjustment and measurement units in PA.

Technical Data:

Service: Air & non aggressive gases

Material: ABS

Electrical Connection: 3 Screw terminal

Cable Entry: M16

Pressure Connection: Male Ø 5 MM

Weight: 150 gms

Operation Temperature: -20 to 60° C

Storage Temperature: -40 to 85° C

Maximum Pressure: 50 kPa

IP Protection: IP54

APPLICATIONS:

Series PS devices are commonly used in HVAC/R systems for:

- fan, blower and filter monitoring
- pressure and flow monitoring
- valve and damper monitoring

Optional Accessories:

2 Fixing Screws

2 Plastic duct connectors

2 m tube Ø 4/7 mm

Metallic duct connectors

Model Summary

Model Code	Pressure range	Switching difference	Accuracy of Switching point Low limit typ.	Electrical rating resistive load	Accuracy of Switching Point High limit typ.	Electrical rating inductive load
PS200	20...200 pa	10 pa	20 Pa ± 5 Pa	200 Pa ± 20Pa	0.1A / 250VAC	
PS300	30...300 pa	20 pa	30 Pa ± 5 Pa	300 Pa ± 30Pa	3A / 250VAC	2A / 250VAC
PS500	30...500 pa	20 pa	30 Pa ± 5 Pa	500 Pa ± 30Pa	3A / 250VAC	2A / 250VAC
PS600	40...600 pa	30 pa	40 Pa ± 5 Pa	600 Pa ± 30Pa	3A / 250VAC	2A / 250VAC
PS1500	100...1500 pa	80 pa	100 Pa ± 10Pa	1500 Pa ± 50Pa	3A / 250VAC	2A / 250VAC
PS4500	500...4500 pa	180 pa	500 Pa ± 50 Pa	4500 Pa ± 200Pa	5A / 250VAC	2A / 250VAC

WIRING DIAGRAMS

For CE compliance, a properly grounded shielding cable is required.

- 1) Unscrew the strain relief and route the cable.
- 2) Connect the wires as shown in Figure 2.
- 3) Tighten the strain relief.

Figure 1 - Wiring diagram

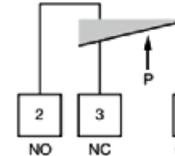


Figure 2 - Mounting orientation

