

PS Differential Pressure Switches

PS differential pressure switches have been designed for use in the air handling units. PS pressure switches are robust and proven design with PG9 cable entry. The pressure switches have IP 54. A range of weatherproof models is also available.

Typical usage of pressure switches include filter and fan monitoring. For example when the differential pressure around the filter exceeds the set-point, the NO output relay contact is closed to send an alarm message to the BMS system.

PS pressure switches include fitting accessories – 2.2m PVC tube, duct connectors and fixing screws.



Model Types

Model	Description
PS300	PS300 Pressure Switch, range 30..300 Pa, includes fitting accessories
PS600	PS600 Pressure Switch, range 40..600 Pa, includes fitting accessories
PS1500	PS1500 Pressure Switch, range 100..1500 Pa, includes fitting accessories
PS4500	PS4500 Pressure Switch, range 500..4500 Pa, includes fitting accessories
PS300-W	PS300-W Weatherproof Pressure Switch, range 0..300 Pa, includes fitting accessories
PS600-W	PS600-W Weatherproof Pressure Switch, range 40..600 Pa, includes fitting accessories
PS1500-W	PS1500-W Weatherproof Pressure Switch, range 100..1500 Pa, includes fitting accessories
PS4500-W	PS4500-W Weatherproof Pressure Switch, range 500..4500 Pa, includes fitting accessories

Technical Data

Model	Operating Range (Pa)	Switching Differential (Pa)	Switching Contacts
PS200 / PS200-W	20-200	20	24-250VAC NO/NC
PS600 / PS600-W	40-600	30	24-250VAC NO/NC
PS1500 / PS1500-W	100-1500	80	24-250VAC NO/NC
PS4500 / PS4500-W	500-4500	250	24-250VAC NO/NC
Max. Operating Pressure	50 kPa		
Temperature Limits	-20..+60°C		
Protection Class	IP54 – Standard Weatherproof – W-range		
Cable Entry	PG9		
Screw Terminals	0.2-1.5mm ² (12-24AWG)		
Installation Position	Vertical		
Agency Listings	EMC Directive 2014/30/EC RoHS Directive 2002/95/EC		
Installation Accessories Included	PVC tube d4/D7 x 2.2m 2 x duct connectors Fixing screws		

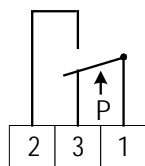
Wiring Terminals

Dimensions
(enclosure)

72W x 72H x 63D mm



The electrical installation, device connection and commissioning can only be carried out by qualified professionals and according to the local wiring regulations!



2 - NO contact
3 - NC contact
1 - common

When pressure increases

1 - 3 open

1 - 2 close

Accessories

Model	Description
PSCONNECTOR-HK1554	Duct connector, plastic
PSEXT-HK1555	Tube extension, plastic
PSTUBE50M-HK15551	PVC Tube 4-7.5 50m