

# DIFFERENTIAL PRESSURE SWITCH

# DPS201



Mechanical differential pressure switches for air



Suited for building automation systems in HVAC/R industry



Field selectable switching point

DPS201 devices are commonly used in HVAC/R systems for

- Fan, blower and filter monitoring
- Pressure and flow monitoring
- Valve and damper monitoring

## SPECIFICATIONS

All specifications at ambient of 25 °C, unless specified otherwise

PERFORMANCE	
Accuracy (at applied pressure)	
At low limit (Typical)	2969-A : ± 5 Pa
	2969-B : ± 5 Pa
	2969-C : ± 20 Pa
	2969-D : ± 100 Pa
At high limit (Typical)	2969-A : ± 30 Pa
	2969-B : ± 30 Pa
	2969-C : ± 50 Pa
	2969-D : ± 200 Pa
Switching differential	2969-A : 20 Pa
	2969-B : 20 Pa
	2969-C : 80 Pa
	2969-D : 250 Pa
Overpressure	Proof pressure : 25 kPa
	Burst pressure : 50 kPa
TECHNICAL SPECIFICATIONS	
Media compatibility	Dry air or non-aggressive gases
Measuring units	Pa
Measurement range	2969-A : 30-300 Pa
	2969-B : 30-500 Pa
	2969-C : 100-1500 Pa
	2969-D : 500-4500 Pa
Environment	Operating temperature : -20 to 60 °C
	Storage temperature : -20 to 85 °C
	Humidity : 0 to 95 % RH, non-condensing
MECHANICAL	
Dimensions	Case : 105 x 73 x 63 mm
Weight	150 g
Mounting	2 each 4.3 mm screw holes, one slotted
Materials	Case : ABS
	Cover : PC
	Membrane : Silicone
	Duct connectors : ABS
	Tubing : PVC
Protection standard	IP54
Electrical connections	3 screw terminals
	Wire : 12–24 AWG (0.2–1.5 mm <sup>2</sup> )
Cable entry	Strain relief : M16
	Knockout : 16 mm
Pressure fittings	Male ø 5.0 mm

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ELECTRICAL	
Input	24–250 VAC
Output	NO / NC circuit
Electrical rating, resistive load	3 A / 250 VAC
Electrical rating, inductive load	2 A / 250 VAC
CONFORMANCE	
Meets requirements for CE marking	RoHS Directive 2011/65/EU
	LVD Directive 2014/35/EU
	WEEE Directive 2012/19/EU

## ORDERING INFORMATION

Order code	2969		
Measurement Range (Pa)		A	30 to 300 Pa
		B	30 to 500 Pa
		C	100 to 1500 Pa
		D	500 to 4500 Pa

\*Accessories

Item	Order code
Ducting kit includes 2 meter PVC tubing with nozzles and screws	2970

\* To be purchased separately.

ENQUIRIES

Instruments : sales@radix.co.in • + 91 9324934061  
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