



# techsystem

automatyka klimatyzacja wentylacja

▸ zapoznaj się z naszą ofertą



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### Pressure Controls

#### P233 Sensitive Differential Pressure Control

#### Description

This switch senses a change in the (differential) pressure as the airflow changes. The (differential) pressure is applied to the two sides of a diaphragm in the control. The spring-loaded diaphragm moves and actuates the switch. The series P233A/F can also be used to detect small positive gauge pressure or to detect a vacuum.

#### Features

- One switch to measure relative pressure, vacuum or differential pressure
- Various accessories available
- Compact and durable construction
- Easy mounting and wiring, various mounting possibilities
- Standard PG 11 nipple and optional DIN 43650 connector
- Accurate and stable switch point
- SPDT contact standard

#### Application

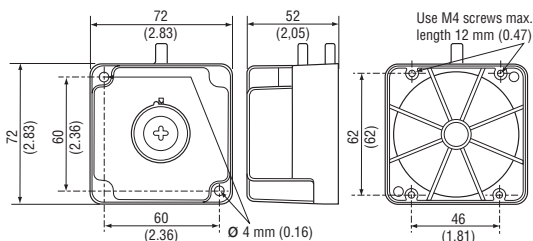
- This (differential) pressure switch is used to sense flow of air, single or differential air pressure

Typical applications include:

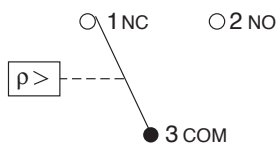
- Detect clogged filter
- Detect frost or ice build-up on air conditioning coils
- Air proving in heating or ventilation ducts
- Maximum airflow controller for variable air volume system
- Detect blocked flue or vent
- Monitor fan operation



**P233**  
Sensitive Differential  
Pressure Control



Dimensions in mm (inches)



Wiring

#### Selection Table

Switch point Range (mbar)	Switching Differential (mbar) **	Contacts	Pack	Additional Features	Ordering Codes		
0,3 fixed	< 0.3	SPDT contacts, Contact rating 5(2) A 250 VAC	bulk		<a href="#">P233F-P3-AAD</a>		
0,5 to 4			ind.		<a href="#">P233A-4-AAC</a>		
			bulk		<a href="#">P233A-4-AAD*</a>		
50 to 400 Pa			ind.	GMT008N600R + BKT024N001R	<a href="#">P233A-4-AHC</a>		
			bulk	Scale in Pa	<a href="#">P233A-4-PAD*</a>		
				Scale in Pa, GMT008N600R + BKT024N001R	<a href="#">P233A-4-PAC</a>		
			ind.	Scale in Pa, FTG015N602R (2x) + 2 m tube 4/7 mm	<a href="#">P233A-4-PKC</a>		
				FTG015N602R (2x) + 2 m tube 4/7 mm	<a href="#">P233A-4-AKC</a>		
			0,5 to 4	< 0.5	SPDT contacts, Contact rating 5(2) A 250 VAC	bulk	
0,5 to 6						<a href="#">P233A-10-AAC</a>	
1,4 to 10	ind.	GMT008N600R + BKT024N001R	<a href="#">P233A-10-AHC</a>				
			<a href="#">P233A-10-PAC</a>				
140 to 1000 Pa	ind.	Scale in Pa, FTG015N602R (2x) + 2 m tube 4/7 mm	<a href="#">P233A-10-PKC</a>				
			<a href="#">P233A-10-PAD*</a>				
1,4 to 10			<a href="#">P233A-10-AAD*</a>				
6 to 50	< 1	Ind.	FTG015N602R (2x) + 2 m tube 4/7 mm			<a href="#">P233-10-AKC</a>	
						<a href="#">P233A-50-AAC</a>	
140 to 1000 Pa	< 0,5		Scale in Pa, GMT008N600R + BKT024N001R			<a href="#">P233A-10-PHC</a>	

#### Notes:

\* Quantity orders only

\*\* Switching differential is maximum value mid-range