

Adjustable differential pressure switch

P233
Sensitive differential

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

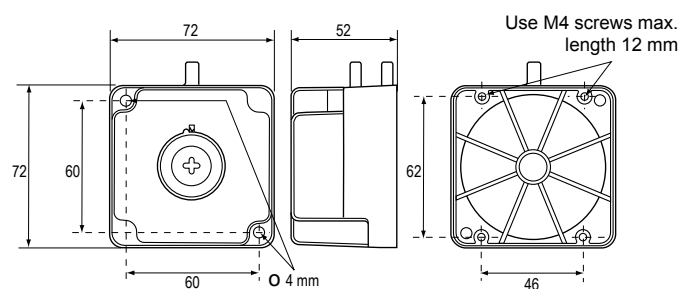
- ▶ One switch to measure relative pressure, vacuum or differential pressure
- ▶ Various accessories available
- ▶ Compact and durable construction
- ▶ Easy mounting and wiring, various mounting possibilities
- ▶ Standard PG 11 nipple and optional DIN 43650 connector
- ▶ Accurate and stable switch point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



Dimensions in mm

Adjustable differential pressure switch

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Ordering information

Codes	Switch point range (mbar)	Switching differential (mbar) **	Contacts	Pack	Additional features
P233F-P3-AAC	0,3 fixed	< 0.3	SPDT contacts, Contact rating 5(2) A 250 VAC	Ind.	---
P233A-4-AAC	0,5 to 4				---
P233A-4-AAD *				Bulk	---
P233A-4-AHC				Ind.	GMT008N600R + BKT024N002R
P233A-4-PAD *	50 to 400 Pa			Bulk	Scale in Pa
P233A-4-PAC				Ind.	---
P233A-4-PHC					Scale in Pa, GMT008N600R + BKT024N002R
P233A-4-PKC					Scale in Pa, FTG015N602R (2x) + 2 m tube 4/7 mm
P233A-4-AKC					FTG015N602R (2x) + 2 m tube 4/7 mm
P233A-6-AAC	0,5 to 6			Bulk	---
P233A-6-AAD *					---
P233A-10-AAC	1,4 to 10	< 0.5	Ind.	---	
P233A-10-AHC				GMT008N600R + BKT024N002R	
P233A-10-PAC	---				
P233A-10-PKC	Scale in Pa, FTG015N602R (2x) + 2 m tube 4/7 mm				
P233A-10-AAD *	1,4 to 10		Bulk	---	
P233-10-AKC			Ind.	FTG015N602R (2x) + 2 m tube 4/7 mm	
P233A-50-AAC	6 to 50	< 1		Scale in Pa, GMT008N600R + BKT024N002R	
P233A-10-PHC	140 to 1000 Pa	< 0,5			

Note

* Quantity orders only

** Switching differential is maximum value mid-range