

Differential Pressure Switches



ACI/DBL Series



Product Description

The ACI/DBL Series Differential Pressure Switches are adjustable vacuum, pressure and differential pressure switches designed for both HVAC and Energy Management Applications. These pressure switches can be used to sense either positive or differential air pressures.

These pressure switches are compact and easy to install, since they have an internal, linearly scaled setpoint knob with an adjustable switching differential. These units will save installation time and money due to the ease of the calibration and adjustment procedures. A manometer is not necessary but can be used to verify the overall operation of the switches. Some of the most common applications for the ACI/DBL Series pressure switches are:

- Air Pressure Control
- Monitoring Ducts
- Fan and Filter Monitoring

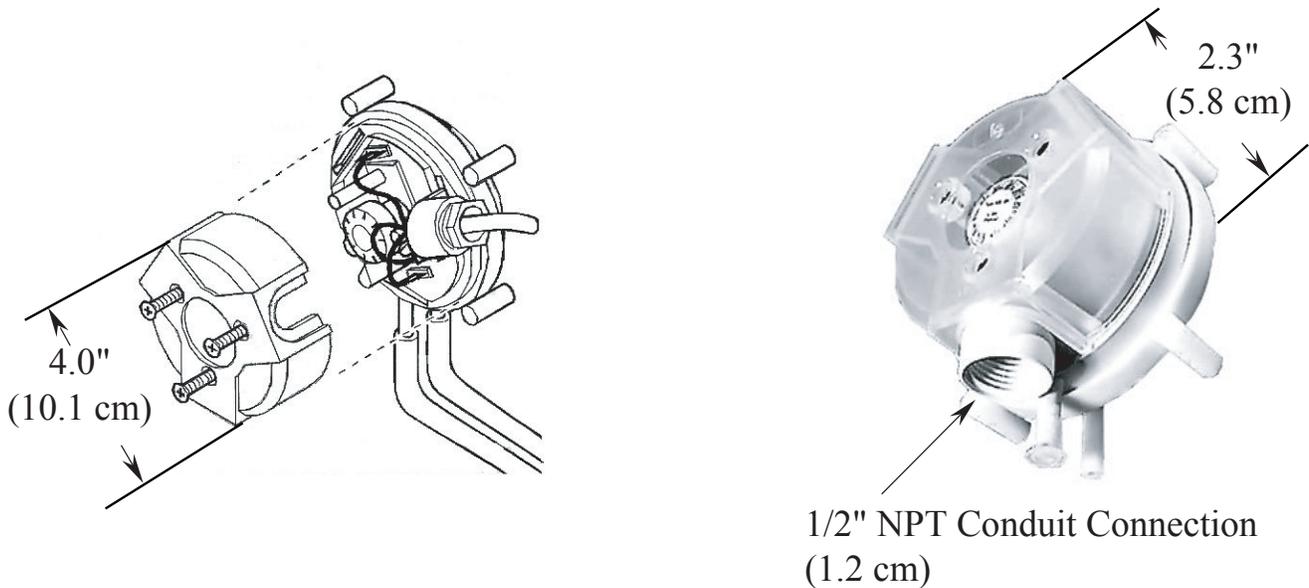
The ACI/DBL Series Pressure Switches are available in ranges from 0.08 to 0.8" w.c. all the way up to 2.0 to 10.0" w.c.. These units will automatically reset and have field adjustable setpoints and switching differentials. Each unit contains (1) SPDT contact rated for 250 VAC @ 1.5 Amps. All wiring connections are to be made with spade connectors and a maximum wire size of 16 AWG. The DBL Series pressure switches contain a 1/2" conduit connection and are mounted in a NEMA 4 transparent synthetic housing.

All of the ACI/DBL Series differential pressure switches come with a two year warranty. Contact ACI for more information regarding the ACI/DBL Series differential pressure switches.

Product Specifications

Input Pressure Ranges	See Ordering Information on the back of this cutsheet	Measured Media	Air, or combustion and other non-combustible, non-aggressive gases
Electrical Rating	250 VAC, 1.5 (0.4) A	Operating Temp. Range	-4 to 185°F (-20 to 85°C)
Output	(1) Set SPDT Contacts	Mounting Direction	Any Vertical Plane
Maximum Pressure	20" water column	Life Cycles	1,000,000

■ Dimensions



■ Ordering Information

ACI/DBL []	Model#	Setpoint Range	Adjustable Switching Differential
	↑		
	205L	-(0.08 to 0.8" w.c.)	0.04 to 0.08" w.c.
	205	-(0.16 to 0.4" w.c.)	0.08 to 0.16" w.c.
	205A	-(0.16 to 0.8" w.c.)	0.08 to 0.16" w.c.
	205B	-(0.20 to 2.0" w.c.)	0.08 to 0.16" w.c.
	205D	-(0.80 to 4.0" w.c.)	0.40 to 0.80" w.c.
	205E	-(2.0 to 10.0" w.c.)	0.60 to 1.20" w.c.
	DBZ-06	-(Mounting Kit)	2 Each (Pitots, Grommets) and 6.5 feet tubing

***Note:** The adjustable trip setpoint within the control range is calibrated for a vertical mounting position, with the pressure ports facing downward. If mounted in a horizontal position, deduct 0.08" w.c. from desired setpoint for off-set adjustment. If the setpoint is at the bottom of the range, do not mount the DBL in horizontal position.

Example: ACI/DBL-205L or ACI/DBL-205 or ACI/DBL-205D or ACI/DBZ-06