



# DBL Series

## *Differential Pressure Switch*

The DBL Series Differential Pressure Switches are adjustable vacuum, pressure and differential pressure switches designed for both HVAC and Energy Management Applications. Due to the ease of calibration and adjustment procedures, these units will save you both installation time and money. The units have field adjustable setpoints and switching differentials. They will reset automatically. Each unit contains (1) SPDT contact rated for 1.5 Amps @ 250 VAC. All wiring connections are to be made with spade connectors and a maximum wire size of 16 AWG.

The DBL Series is covered by ACI's Two (2) Year Limited Warranty. The warranty can be found in the front of ACI's Sensors & Transmitters catalog, as well as on ACI's web site, [www.workaci.com](http://www.workaci.com).



Specifications

<b>Electrical Rating</b>	250 VAC, 1.5 (0.4) A	<b>Input Pressure Ranges</b>	See Ordering Information below
<b>Measured Media</b>	Air, combustion & non-combustible/non-aggressive gases	<b>Output</b>	(1) set SPDT Contacts
<b>Maximum Pressure</b>	20" w.c.	<b>Mounting Direction</b>	Any Vertical Plane
<b>Operating Temperature</b>	-4 to 185°F (-20 to 85°C)	<b>Life Cycles</b>	1,000,000
<b>Connection</b>	1/2" Conduit	<b>Enclosure</b>	NEMA 3 (IP54)
<b>Product Dimensions</b>	(H) 4.00" (W) 4.00" (D) 2.30"		

Ordering

Select one Differential Pressure Range (A). **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 the desired setpoint for an off-set adjustment. If the setpoint is at the bottom of the range, do not mount the DBL in a horizontal position.

**A** Differential Pressure Range

- DBL-205L** (Setpoint Range: 0.08" to 0.8" w.c.) (Adjustable Switching Differential: 0.04" to 0.08" w.c.)
- DBL-205** (Setpoint Range: 0.16" to 0.4" w.c.) (Adjustable Switching Differential: 0.08" to 0.16" w.c.)
- DBL-205B** (Setpoint Range: 0.20" to 2.0" w.c.) (Adjustable Switching Differential: 0.08" to 0.16" w.c.)
- DBL-205D** (Setpoint Range: 0.80" to 4.0" w.c.) (Adjustable Switching Differential: 0.40" to 0.80" w.c.)
- DBL-205E** (Setpoint Range: 2.0" to 10.0" w.c.) (Adjustable Switching Differential: 0.60" to 1.20" w.c.)
- DBZ-06** (Mounting Kit, 2 each (Pitots, Grommets) & 6.5' tubing)

Build your part number

After completing (A) from the above table, fill in the Part Number Table below. An example part number is offered.

**A**

EXAMPLE: DBL-205