



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 an industry-leading Two (2) year warranty, which can be found on our OEM's web site, which is www.workaci.com.

SPECIFICATIONS

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