

P845

Differential Pressure Switch

General Specifications

Pressure Range

Vacuum to 6000 PSIG
Max. differential pressure = 2000 PSID
Proof = 9000 PSIG

Sensor Element

Piston

Set Point Options

Field adjustable, or factory set –
field adjustable

Temperature Range

-65°F to -225°F
Advise factory on applications which
exceed temperature range.
A set point change of up to 2% of
sensor capacity may be anticipated
when switch is used either below
-10°F or above +125°F.

Cycling:

Not to exceed 20 CPM

Weight:

8.5 ounces approximately

Construction Materials:

Wetted parts
SPRING - steel
PISTON - anodized aluminum
BODY - anodized aluminum
SEAL - Buna - other materials available
SEALING COMPOUND - Loctite #271
FITTING - anodized aluminum
1/4-18 NPT Female

Electrical Switch Information

SPDT ACTION
"L" ONLY - non jacketed 12" long #24
AWG
MAXIMUM RATINGS
175 VDC, 0.25 AMPS DC, 5 WATTS DC
120 VAC, 0.25 AMPS AC, 3 WATTS AC
White = common
Blue = N.C.
Black = N.O.

Part Number Construction:

P845 - 2 - KR2L - X

SENSOR CODE
From Table A

SET POINT OPTION
See to Right

SPECIAL
OPTIONS



Dimensions: 4" Long, 1½" High, 1¼" Deep

Application Information

This is a rugged differential pressure switch with excellent by-pass characteristics, able to handle a wide variety of media to 6000 PSIG with set point ranges to 250 PSID. It may be mounted in any position and is capable of carrying light to moderate mechanical shock and vibratory loads.

Sensor Performance and Code Selection Tables

TABLE A		TABLE B		
SENSOR CAPACITY		SET POINT REPEATABILITY PSI	DIFFERENTIAL SET POINT RANGE PSID	
CODE	MAX SYS PRESSURE PSIG		INCREASING	DECREASING
1	6000	+/-2	7-13	2-7
2	6000	+/-4	13-25	5-16
3	6000	+/-8	25-45	10-21
4	6000	+/-16	35-160	20-80
5	6000	+/-32	120-250	35-120

Set Point Options

Most models offer 3 styles coded in the part number as:
C = Customer set, field adjustable.
F = Factory set to customer specifications, non-adjustable.
K = Factory pre-set to customer specifications, field adjustable.

CAUTION: Customer media and environment must be compatible with construction materials as outlined above.

