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TECHNOLOGY GROUP

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MICRO SWITCH
a Honeywell Division
FED. MFG. CODE 91929

BRIDGE PRESSURE SENSOR

CATALOG LISTING

136PC15G SERIES CHART 2

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CATALOG LISTING	TERMINAL STYLE
136PC15G1L	1 △4
136PC15G2L	2 △4
136PC15G1L23	1 △5
136PC15G3L23	3 △5

(B)

GENERAL OPERATING CHARACTERISTICS

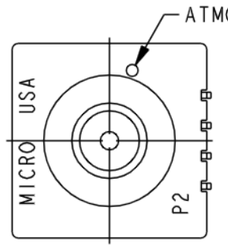
PRESSURE RANGE	0 TO 775 mmHg (0 TO 15 PSIG)
OVERPRESSURE	3103 mmHg (60 PSI)
TEMPERATURE RANGES	
STORAGE	-55°C TO +125°C
OPERATE	-40°C TO + 85°C
COMPENSATED	0°C TO +50°C
SUPPLY VOLTAGE	16 VDC MAX
INPUT RESISTANCE	6800 OHM TYP

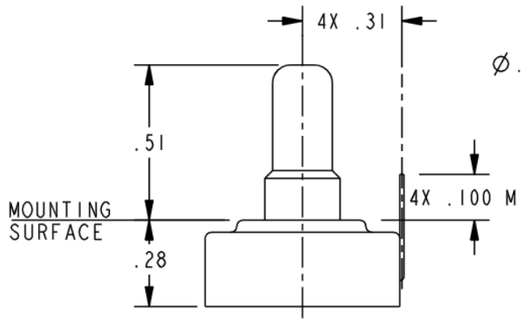
ELECTRICAL PERFORMANCE AT 10.00±.01 VDC SUPPLY AND +25°C

NULL OFFSET	0 ± 1 mV (AT 0 PSI)
F.S.O. △3	40 ± 1.5 mV (0 TO 15 PSI)
LINEARITY (BFSL)	
INPUT < VENT	.25% F.S.O. MAX △3
INPUT > VENT	.50% F.S.O. MAX △3
HYSTERESIS & REPEATABILITY	±.15% F.S.O. TYP △3

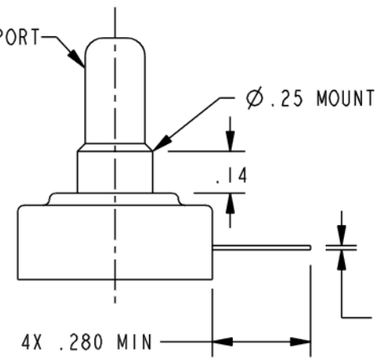
TEMPERATURE ERROR (25°C TO 0°C OR +25°C TO +50°C)

NULL SHIFT	±4 mV MAX
SENSITIVITY SHIFT	±3.0% F.S.O. MAX △3

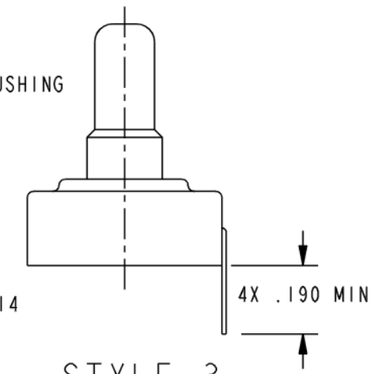




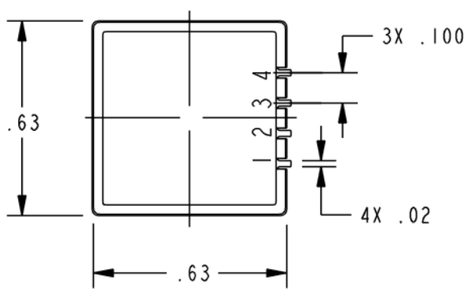
STYLE 1



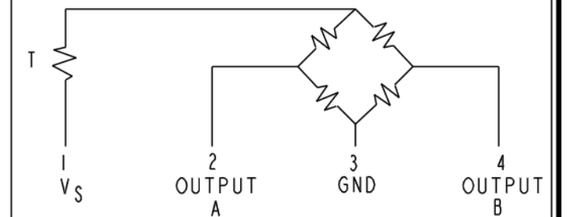
STYLE 2



STYLE 3



CIRCUIT DIAGRAM



OUTPUT "A" INCREASES AS INPUT PRESSURE INCREASES
OUTPUT "B" DECREASES AS INPUT PRESSURE INCREASES

NOTES
1 - TERMINALS ARE PLATED FOR SOLDERING
2 - LIMIT SOLDERING TO 315°C MAX FOR 10 SECONDS MAX
△3 F.S.O. IS THE ALGEBRAIC DIFFERENCE BETWEEN THE OUTPUT END POINTS (NULL AND FULL PRESSURE)
△4 INPUT MEDIA LIMITED ONLY TO THOSE MEDIA THAT WILL NOT ATTACK POLYESTER, SILICON OR SILICONE BASED ADHESIVE
△5 MATERIAL SELECTED FOR RESISTANCE TO GASOLINE AND GASOLINE VAPORS

THIRD ANGLE PROJECTION

SCALE 2 : 1

DO NOT SCALE PRINT

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE

ONE PLACE	(.0)	±.030
TWO PLACE	(.00)	±.015
THREE PLACE	(.000)	±.005
ANGLES		±

WEIGHT

ANSI Y14.5M-1982 APPLIES

CATALOG LISTING 136PC15G SERIES CHART 2 | PAGE 1 OF 1 | RELEASE NO. PR-9299 | REPLACES -

ISSUE 16

REVISIONS

A	206109								
	D L T 30 JUL 02								
B	0011992								
	NM 29MAR05								
DRAWN	D L T	30 JUL 02	SAV	30 JUL 02	AK	29MAR05	CHECK		
PTC/CAD	2D		CHECK		CHECK		CHECK		

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