MICRO SWITCH
a Honeywell Division
FED. MFG. CODE 91929

BRIDGE PRESSURE SENSOR

CATALOG LISTING
136PC15A2L

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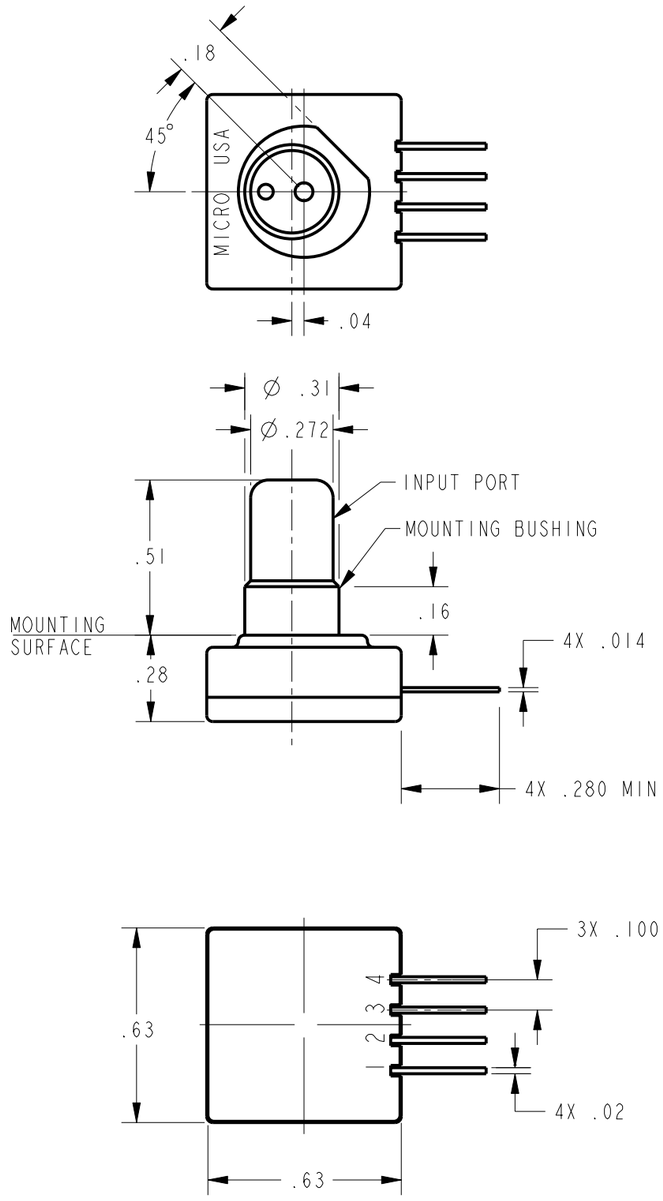


GENERAL OPERATING CHARACTERISTICS

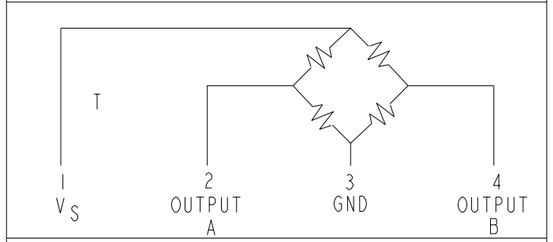
PRESSURE RANGE	0 TO 775 mmHg (0 TO 15 PSIA)
OVERPRESSURE	2325 mmHg (45 PSIA)
TEMPERATURE RANGES	
STORAGE	-55°C TO +125°C
OPERATE	-40°C TO +85°C
COMPENSATED	0°C TO +50°C
SUPPLY VOLTAGE	16 VDC MAX
INPUT RESISTANCE	6800 OHM TYP

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

OUTPUT VOLTAGE	
NULL (0 PSIA)	.000 mV TYP
REFERENCE (2 PSIA)	-5.33±2.0 mV
FULL SCALE (15 PSIA)	-40.0 VDC TYP
SPAN (2 TO 15 PSIA)	-34.667±2.500 mV
SENSITIVITY	2.67 mV/PSI TYP
LINEARITY (B.F.S.L.)	±0.25% SPAN MAX
HYSTERESIS & REPEATABILITY	±0.1% SPAN TYP
TEMPERATURE ERROR (0°C TO +50°C)	
NULL SHIFT	±2.0 mV MAX
SPAN SHIFT	±3.0% SPAN MAX

NOTES
1 - TERMINALS ARE PLATED FOR SOLDERING
2 - LIMIT SOLDERING TO 315°C MAX FOR 10 SECONDS MAX
3 - INPUT MEDIA DRY GASES ONLY; CONNECTION SIDE OF SENSOR

CIRCUIT DIAGRAM



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

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

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CATALOG LISTING
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RELEASE NO. 204744
REPLACES -
ISSUE 2
CHECK
REVISIONS
A 207062 TSM 18DEC02
CHECK
15 APR 02 SAV
CHECK
15 APR 02 C S L
DRAWN
PTC/CAD 2D