

Excellent Integrated System Limited

Stocking Distributor

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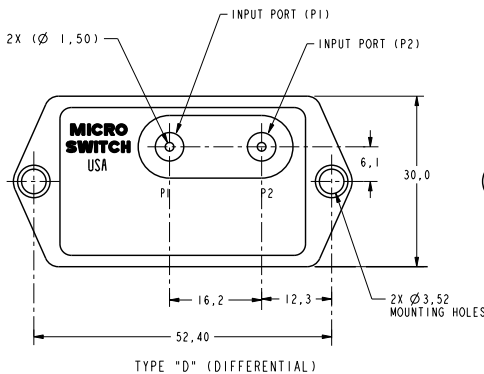
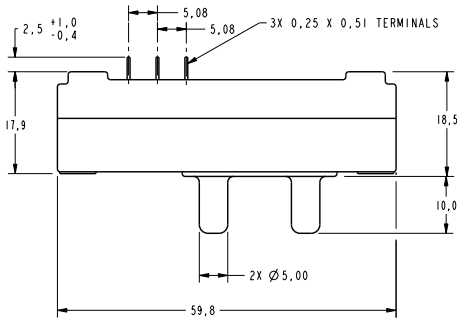
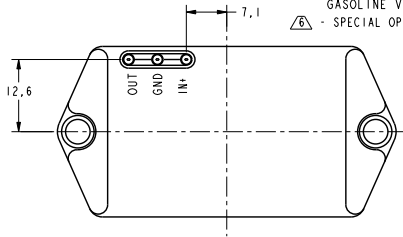
[Honeywell Sensing and Productivity Solutions](#)
[141PC15G](#)

For any questions, you can email us directly:

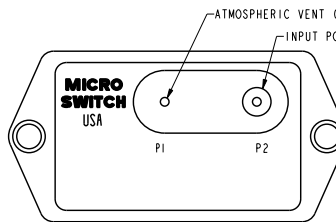
sales@integrated-circuit.com

CATALOG LISTING	TYPE	OPERATING PRESSURE RANGE
141PC15D	D	0 TO -14.7 PSIG
141PC15G	G	0 TO -14.7 PSIG
142PC15A	A	0 TO 15 PSIA
142PC15D	D	0 TO 15 PSID
142PC15G	G	0 TO 15 PSIG
142PC15A104/6	A	0 TO 15 PSIA

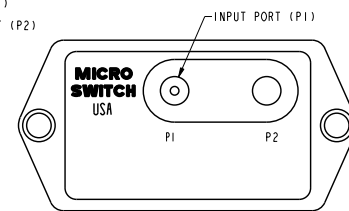
NOTES
1 - INPUT MEDIA:
P1 - DRY GASES ONLY: CONNECTION SIDE OF SENSOR
P2 - LIMITED ONLY TO THOSE MEDIA THAT WILL NOT ATTACK POLYESTER, SILICON OR SILICONE BASED ADHESIVE
2 - TERMINALS ARE PLATED FOR SOLDERING
3 - LIMIT SOLDERING TO 315°C MAX FOR 10 SECONDS MAX
4 - UNITS ARE OF PLASTIC CONSTRUCTION
5 - P2 - MATERIAL SELECTED FOR RESISTANCE TO GASOLINE AND GASOLINE VAPORS
/B - SPECIAL OP-AMP LEADED



TYPE "D" (DIFFERENTIAL)



TYPE "G" (GAGE)



TYPE "A" (ABSOLUTE)

GENERAL OPERATING CHARACTERISTICS	
PRESSURE RANGE	0 TO 775 mmHg (0 TO 15 PSI)
OVERPRESSURE	45 PSIG
TEMPERATURE RANGES	
STORAGE	-55 TO +125°C
OPERATING	-40 TO +85°C
COMPENSATED	-18 TO 63°C
SUPPLY VOLTAGE	7 TO 16 VDC
SUPPLY CURRENT	20mA MAX WITH 10K LOAD
OUTPUT VOLTAGE	PROPORTIONAL TO SUPPLY VOLTAGE OVER ABOVE RECOMMENDED RANGE
SHORT CIRCUIT LIMIT	MAY BE SHORTED INDEFINITELY
OUTPUT RIPPLE	NONE
GROUND REFERENCE	SUPPLY AND OUTPUT ARE COMMON

ELECTRICAL PERFORMANCE AT 25°C AND 8.00±.01 VDC SUPPLY

OUTPUT VOLTAGE	
141PC15D	
NULL (0 PSIG)	1.000±.050 VDC
FULL SCALE (-15 PSIG)	6.000 VDC TYP P1 > P2
SPAN	5.000±.050 VDC
141PC15G	
NULL (0 PSIG)	1.000±.050 VDC
FULL SCALE (-12.5 PSIG)	5.167 VDC TYP P1 > P2
SPAN	4.167±.050 VDC
142PC15D OR G	
NULL (0 PSIG)	1.000±.050 VDC
FULL SCALE (15 PSIG)	6.000VDC TYP P2 > P1
SPAN	5.000±.05 VDC
SENSITIVITY	333.3 mV/PSI TYP
LINEARITY (B.F.S.L.)	.75% SPAN MAX P1 > P2
HYSTERESIS & REPEATABILITY	.15% SPAN TYP
TEMPERATURE ERROR	
-18°C TO +63°C	1.00% SPAN MAX
-40°C TO +85°C	1.50% SPAN TYP
142PC15A / 142PC15A104	
NULL (0 PSIA)	1.000 VDC TYP
REFERENCE (2 PSIA)	1.667±.050 VDC
FULL SCALE (15 PSIA)	6.000 VDC TYP P1 > P2
SPAN (2 TO 15 PSIA)	4.333±.050 VDC
SENSITIVITY	333.3 mV/PSI TYP
LINEARITY (B.F.S.L.)	.87% SPAN MAX
HYSTERESIS & REPEATABILITY	.17% SPAN TYP
TEMPERATURE ERROR	
-18°C TO +63°C	1.15% SPAN MAX
-40°C TO +85°C	1.73% SPAN TYP

METRIC	INCHES
0.25	.010
0.4	.016
0.51	.020
1.0	.039
1.50	.059
2.5	.10
3.52	.139
5.08	.197
5.08	.200
6.1	.24
7.1	.28
10.0	.39
12.3	.48
12.6	.50
16.2	.64
17.9	.70
18.5	.73
30.0	1.18
52.40	2.063
59.8	2.35

THIRD ANGLE PROJECTION	
SCALE 2 : 1	
DO NOT SCALE PRINT	
TOLERANCES	
APPLY TO DESIGN UNITS: CONVERSIONS ARE ONLY FOR REFERENCE: UNLESS NOTED, TOLERANCES ARE:	
IN	MIL
NO PLACES	2
ONE PLACE	1.54
TWO PLACES	0.004
THREE PLACES	0.0004
FOUR PLACES	0.00004
DESIGN UNITS	SI METRIC
WEIGHT	31 G

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PRESSURE TRANSDUCER

140PC15 SERIES CHART 1

ANSI Y14.5M-1982 APPLIES

FED. MFG. CODE 91929

CATALOG LISTING

DESIGN UNITS ☒ SI METRIC ☐ US CUSTOMARY