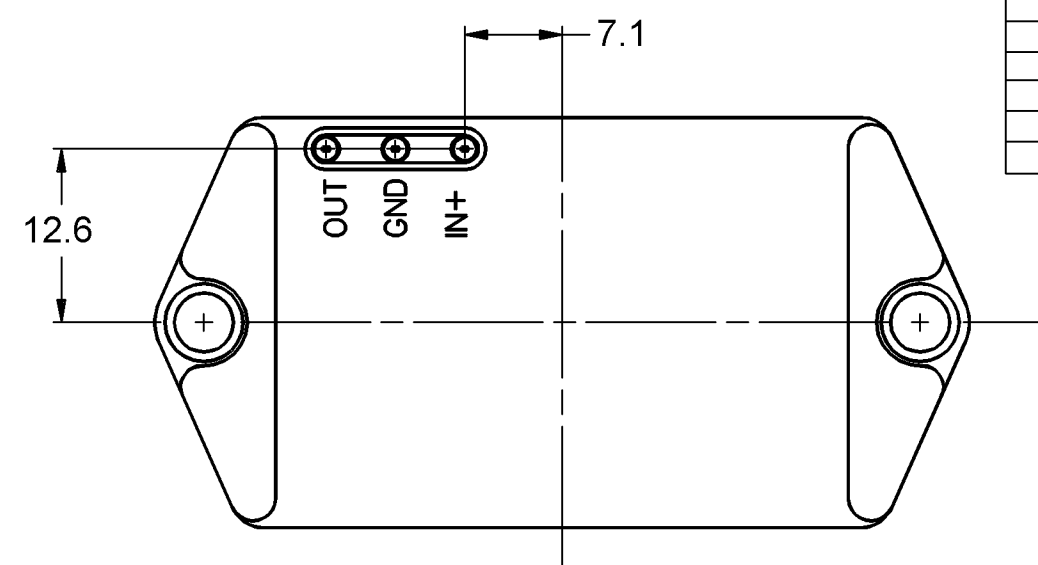
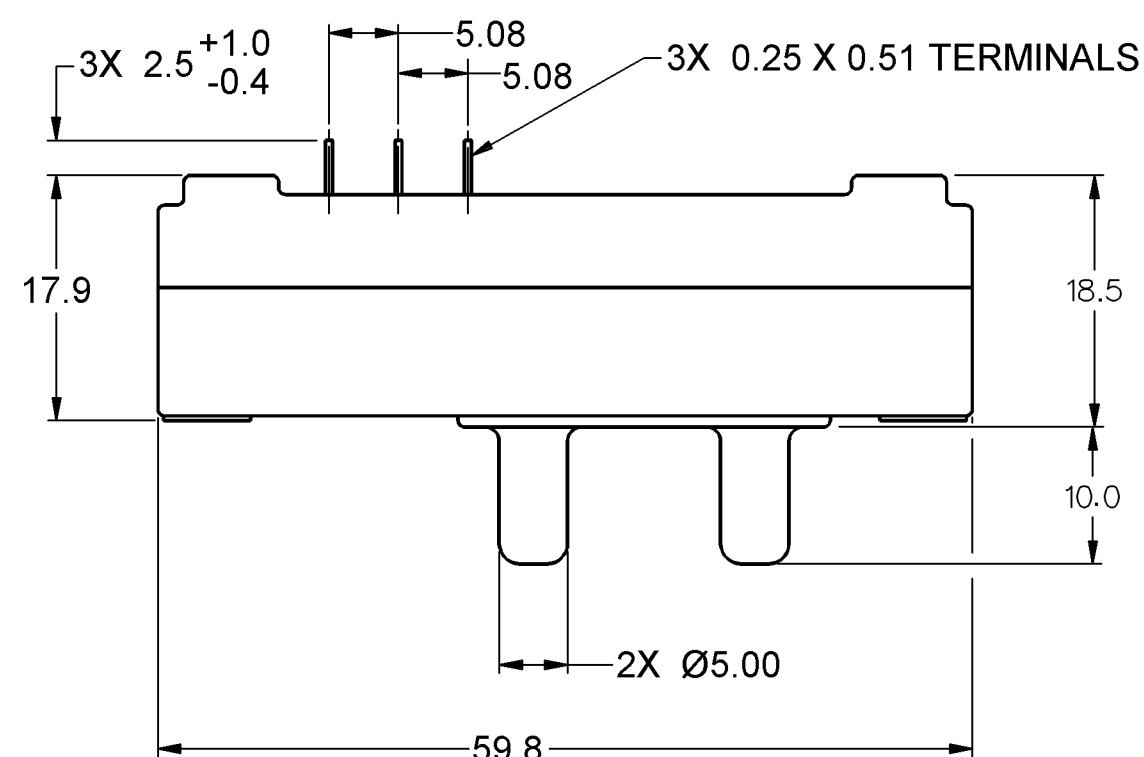




CATALOG LISTING	TYPE	OPERATING PRESSURE RANGE
141PC05G 	G	0 TO -5 PSIG
 142PC05D 	A	0 TO 5 PSIA
142PC05D 	D	0 TO 5 PSID
142PC05G 	G	0 TO 5 PSIG
142PC05D22 	D	0 TO 5 PSID
142PC05D73 	D	0 TO 5 PSID

GENERAL OPERATING CHARACTERISTICS	
PRESSURE RANGE	0 TO 259 mmHg (0 TO 5 PSI)
OVERPRESSURE	1035 mmHg (20 PSI)
TEMPERATURE RANGES	
STORAGE	-55°C TO +125°C
OPERATING	-40°C TO +85°C
COMPENSATED	-18°C 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

	M	140PC05 SERIES CHART 1
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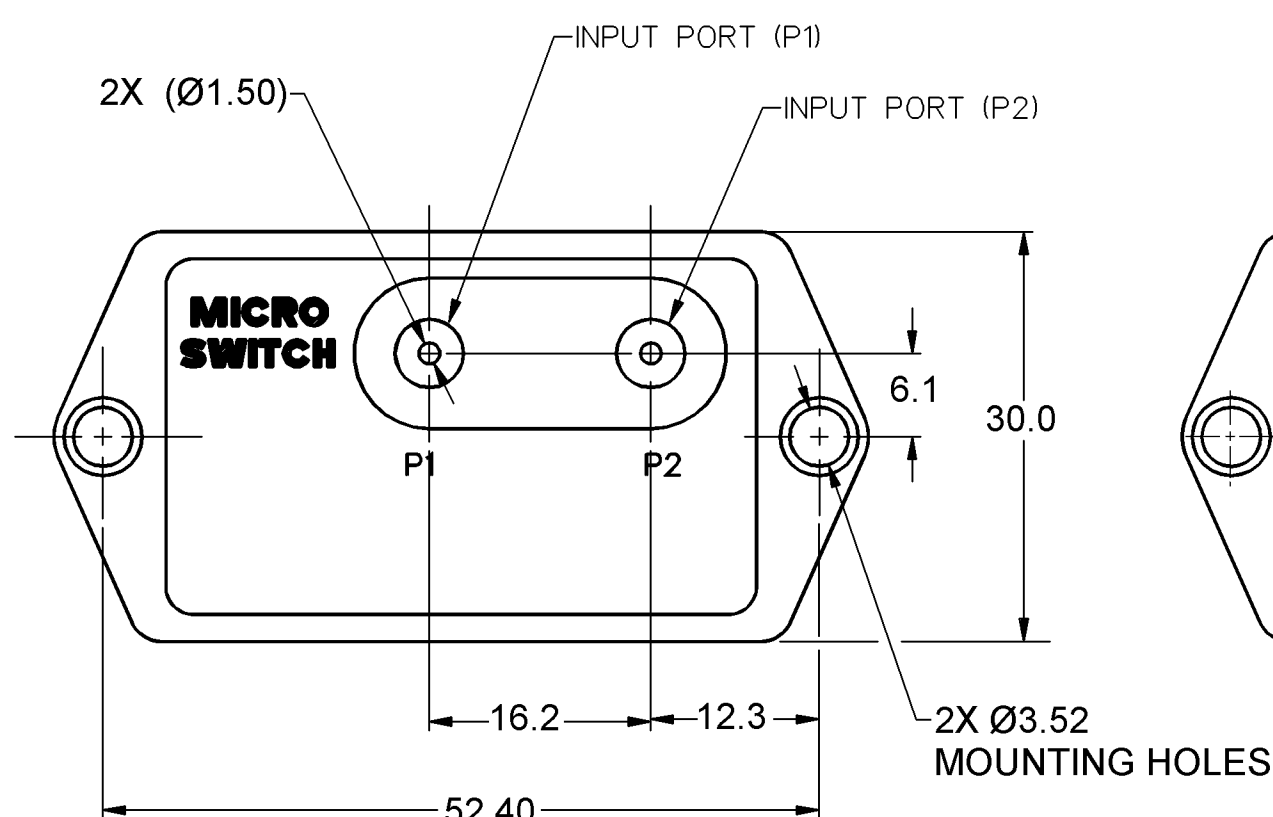
NOTES:

- 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 VAPOR
- 6 - ALLOW $\pm 13\text{mV}$ NULL

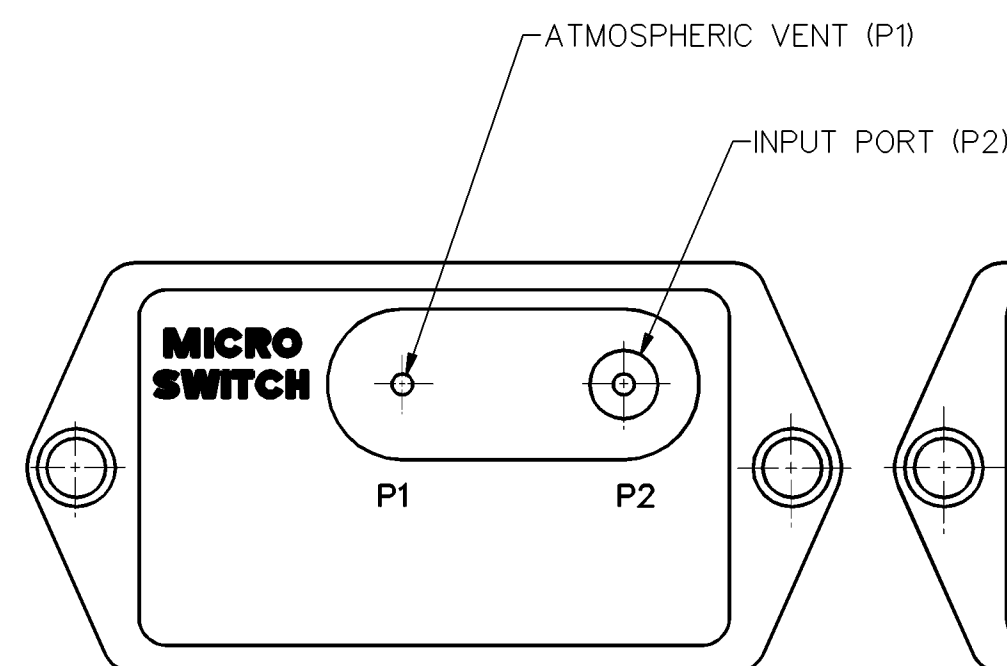
ELECTRICAL PERFORMANCE AT 25°C AND
8.00±.01 VDC SUPPLY

OUTPUT VOLTAGE	
141PC05G	
NULL (0 PSIG)	1.000±.050 VDC
FULL SCALE (5 PSIG)	6.000 VDC TYP P1 > P2
SPAN	5.000±.050 VDC
142PC05D OR G	
NULL (0 PSIG)	1.000±.050 VDC
FULL SCALE (5 PSIG)	6.000 VDC TYP P2 > P1
SPAN	5.000±.050 VDC
SENSITIVITY	1000 mV/PSI TYP
LINEARITY (B.F.S.L.)	.75% SPAN MAX P1 > P2 .150% SPAN MAX P2 > P1
HYSTERESIS & REPEATABILITY	.25% SPAN TYP
TEMPERATURE ERROR	
+5°C TO +45°C	.50% SPAN TYP
-18°C TO +63°C	1.00% SPAN MAX
-40°C TO +85°C	2.00% SPAN TYP
142PC05A	
NULL (0 PSIA)	1.000 VDC TYP
REFERENCE (2 PSIA)	3.000±.050 VDC
FULL SCALE (5 PSIA)	6.000 VDC TYP P1 > P2
SPAN (2 TO 5 PSIA)	3.000±.050 VDC
SENSITIVITY	1000 mV/PSI TYP
LINEARITY (B.F.S.L.)	1.25% SPAN MAX
HYSTERESIS & REPEATABILITY	.25% SPAN TYP
TEMPERATURE ERROR	
+5°C TO +45°C	.83% SPAN TYP
-18°C TO +63°C	1.67% SPAN MAX
-40°C TO +85°C	3.33% SPAN TYP

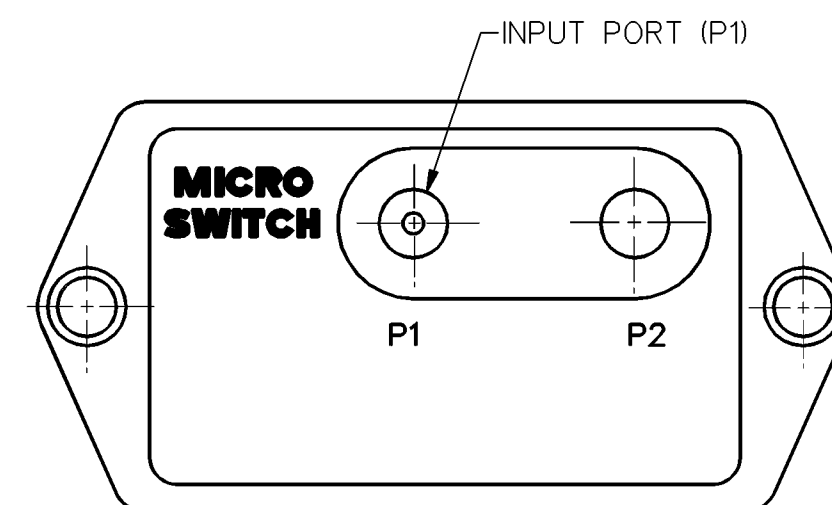
METRIC	INCH
0.4	.016
0.25	.010
0.51	.020
1.0	.039
1.5	.04
2.5	.099
3.52	.139
5.00	.197
5.08	.200
6.1	.240
7.1	.280
10.0	.39
12.3	.484
12.6	.496
16.2	.64
17.9	.70
18.5	.73
30.0	1.18
52.40	2.06
59.8	2.35



TYPE "D" (DIFFERENTIAL)

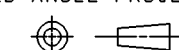


TYPE "G" (GAGE)



TYPE "A" (ABSOLUTE)

THIRD ANGLE PROJECTION



SCALE 2 - 1

DO NOT SCALE PRINT

**UNLESS OTHERWISE SPECIFIED
TOLERANCES ARE**

NO PLACE	(0)	± 1 mm
ONE PLACE	(0.0)	± 0.4 mm
TWO PLACE	(0.00)	± 0.15 mm
ANGLES		±

WEIGHT	31 GRAMS
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CATALOG LISTING

MICRO SWITCH
a Honeywell Division

PRESSURE TRANSDUCER

140PC05 SERIES

CHART 1

MASTER REDUCED
ANSI Y14.5M-1982 APPLIES

FED. MFG. CODE 91929