

GENERAL OPERATING CHARACTERISTICS

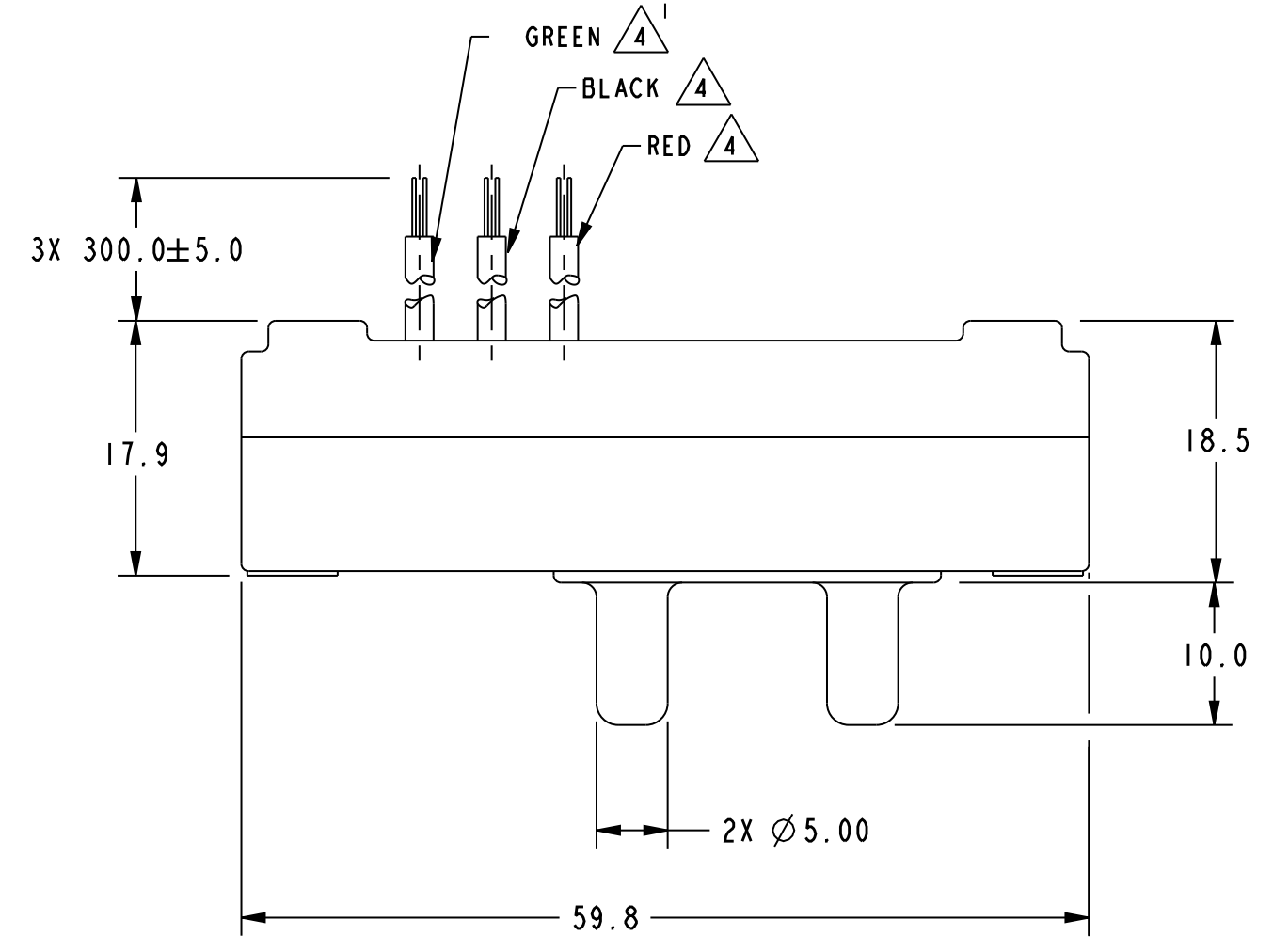
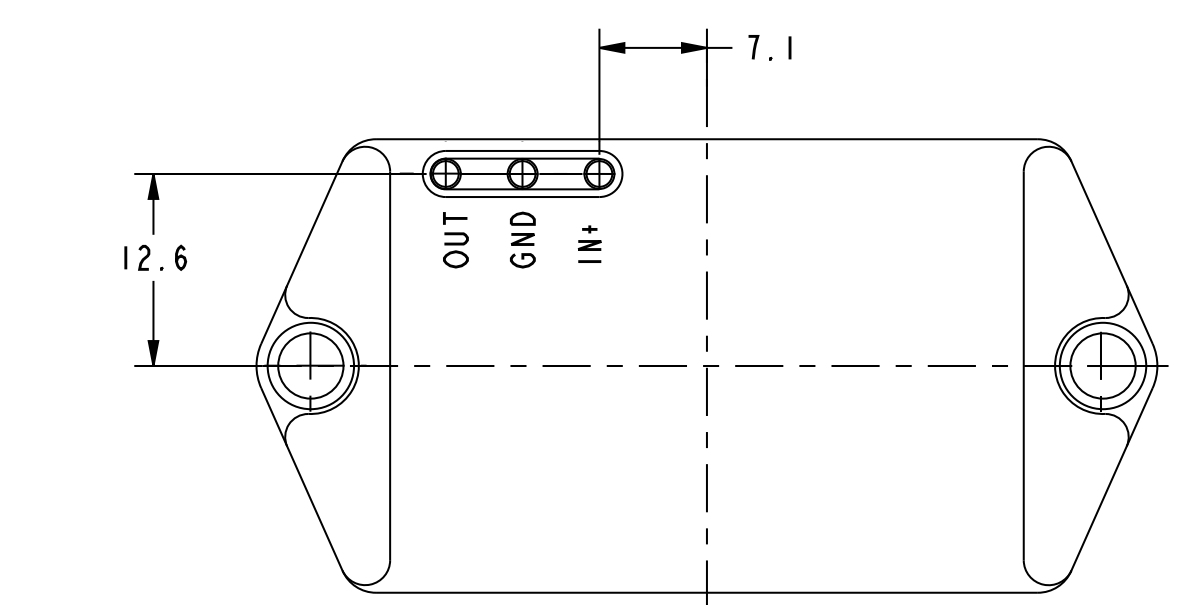
PRESSURE RANGE	0 TO 775 mmHg (0 TO 15 PSI)
OVERPRESSURE	2327 mmHg (45 PSI)
TEMPERATURE RANGE	-55 TO +125° C
SUPPLY VOLTAGE	7 TO 16 VDC
SUPPLY CURRENT	20mA MAX WITH 10K LOAD
OUTPUT VOLTAGE	PROPORTIONAL TO SUPPLY VOLTAGE OVER ABOVE RECOMMENDED RANGE
SHORT CIRCUIT LIMIT	MAY BE SHORTED INDEFINITELY
OUTPUT RIPPLE	NONE
GROUND REFERENCE	SUPPLY AND OUTPUT ARE COMMON

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

OUTPUT VOLTAGE	
141PC15GW	
NULL (0 PSIG)	1.000±.050 VDC
FULL SCALE (-12.5 PSIG)	5.900 VDC TYP P2 > P1
SPAN	4.167±.050 VDC
142PC15DW OR GW	
NULL (0 PSIG)	1.000±.050 VDC
FULL SCALE (15 PSI)	6.000 VDC TYP P2 > P1
SPAN	5.000±.050 VDC
SENSITIVITY	333.3 mV/PSI TYP
LINEARITY (B.F.S.L.)	.75% SPAN MAX P1 > P2 .150% SPAN MAX P2 > P1
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
142PC15AW	
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

CATALOG LISTING	TYPE	OPERATING PRESSURE RANGE
(A) 142PC15AW	G	0 TO -14.7 PSIG
142PC15DW	A	0 TO 15 PSIA
(C) 142PC15AW28	D	0 TO 15 PSID
(A)	G	0 TO 15 PSIG
(C)	A	0 TO 15 PSIA
(C)	D	0 TO 15 PSID

METRIC	INCHES
1.50	.059
3.52	.139
5.00	.197
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
300.0±25.0	11.81±.98



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 - LIMIT SOLDERING TO 315° C MAX FOR 10 SECONDS MAX

3 - UNITS ARE OF PLASTIC CONSTRUCTION

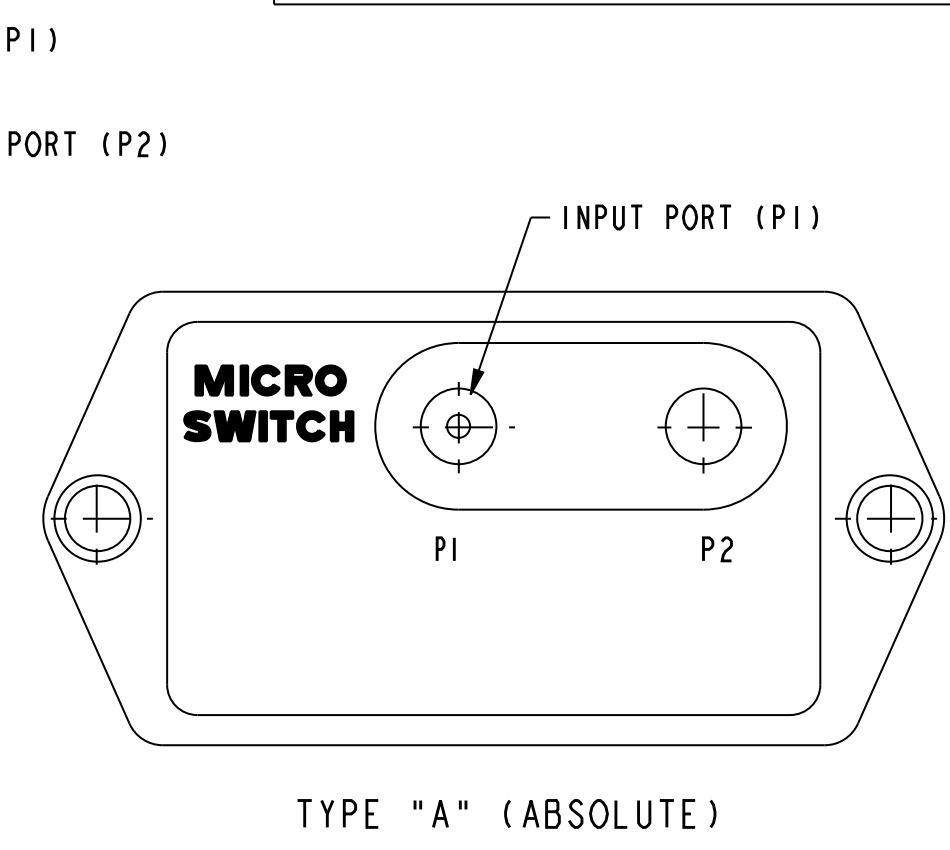
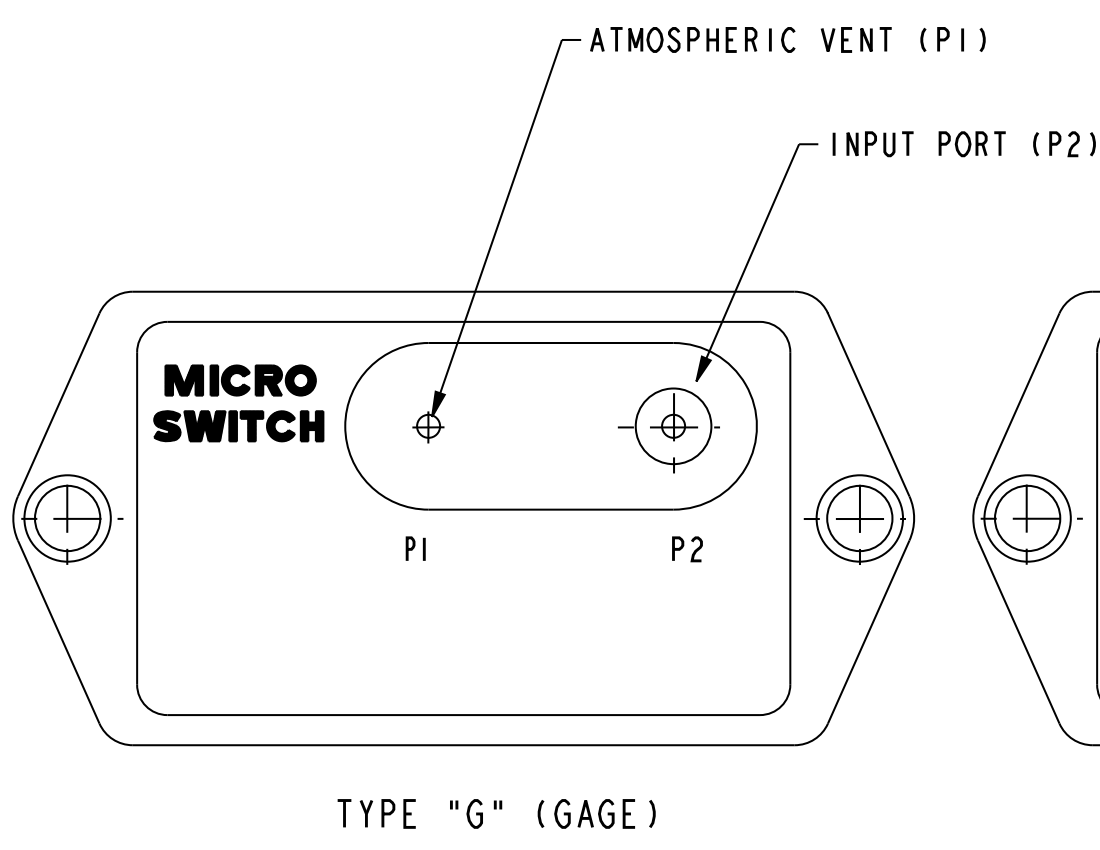
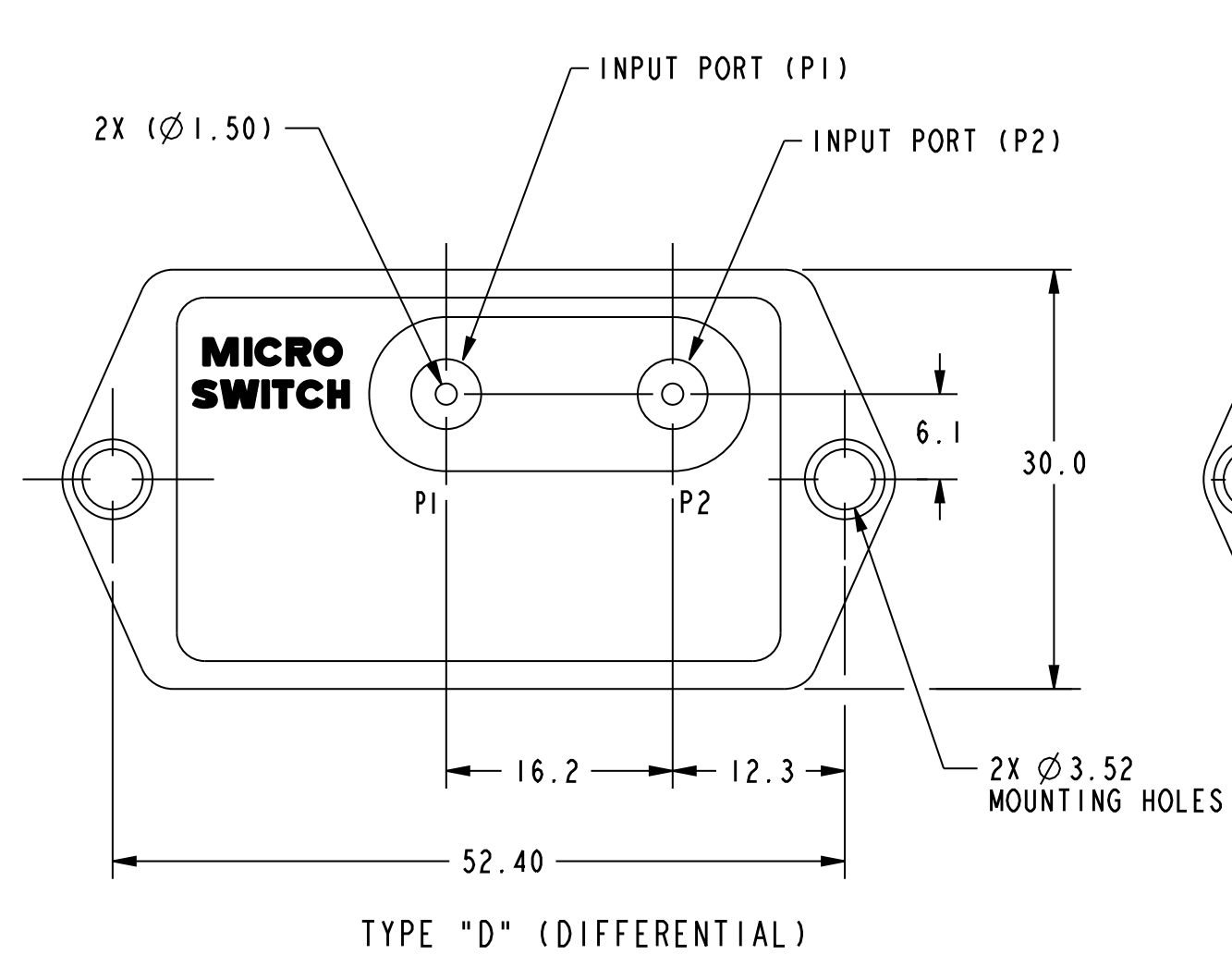
4 - STRIPPED & TINNED LEAD ENDS TO BE 5.00 MAX

5 - P2 - MATERIAL SELECTED FOR RESISTANCE TO GASOLINE AND GASOLINE VAPORS

6 - TEST DATA TO BE SUPPLIED WITH EACH SENSOR CONSISTING OF NULL, FULL SCALE AND 2 IN BETWEEN DATA POINTS AT ROOM TEMPERATURE ALONG WITH NULL AND FULL SCALE READINGS AT BOTH COMPENSATED TEMPERATURE EXTREMES

7 - 3X 24GA WIRE PER MIL STD 16878/4

140PC15 SERIES CHART 2
 DRAWING NUMBER
 ISSUE 18
 REVISIONS
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TYPE "G" (GAGE)

TYPE "A" (ABSOLUTE)

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PRESSURE TRANSDUCER

CATALOG LISTING
140PC15 SERIES CHART 2

DESIGN UNITS SI METRIC US CUSTOMARY

WEIGHT 31 G

THIRD ANGLE PROJECTION

SCALE 2 : 1

DO NOT SCALE PRINT

TOLERANCES
APPLY TO DESIGN UNITS. CONVERSIONS ARE ONLY FOR REFERENCE. UNLESS NOTED, TOLERANCES ARE :

NO PLACES	BIR	TOL	BIR	TOL
ONE PLACE	X	1/100	X.X	0.05/0.15
TWO PLACES	X.X	0.01/0.15	X.XX	0.005/0.15
THREE PLACES	X.XX	0.001/0.006	X.XXX	0.0005/0.005

ANGLES

SI METRIC US CUSTOMARY