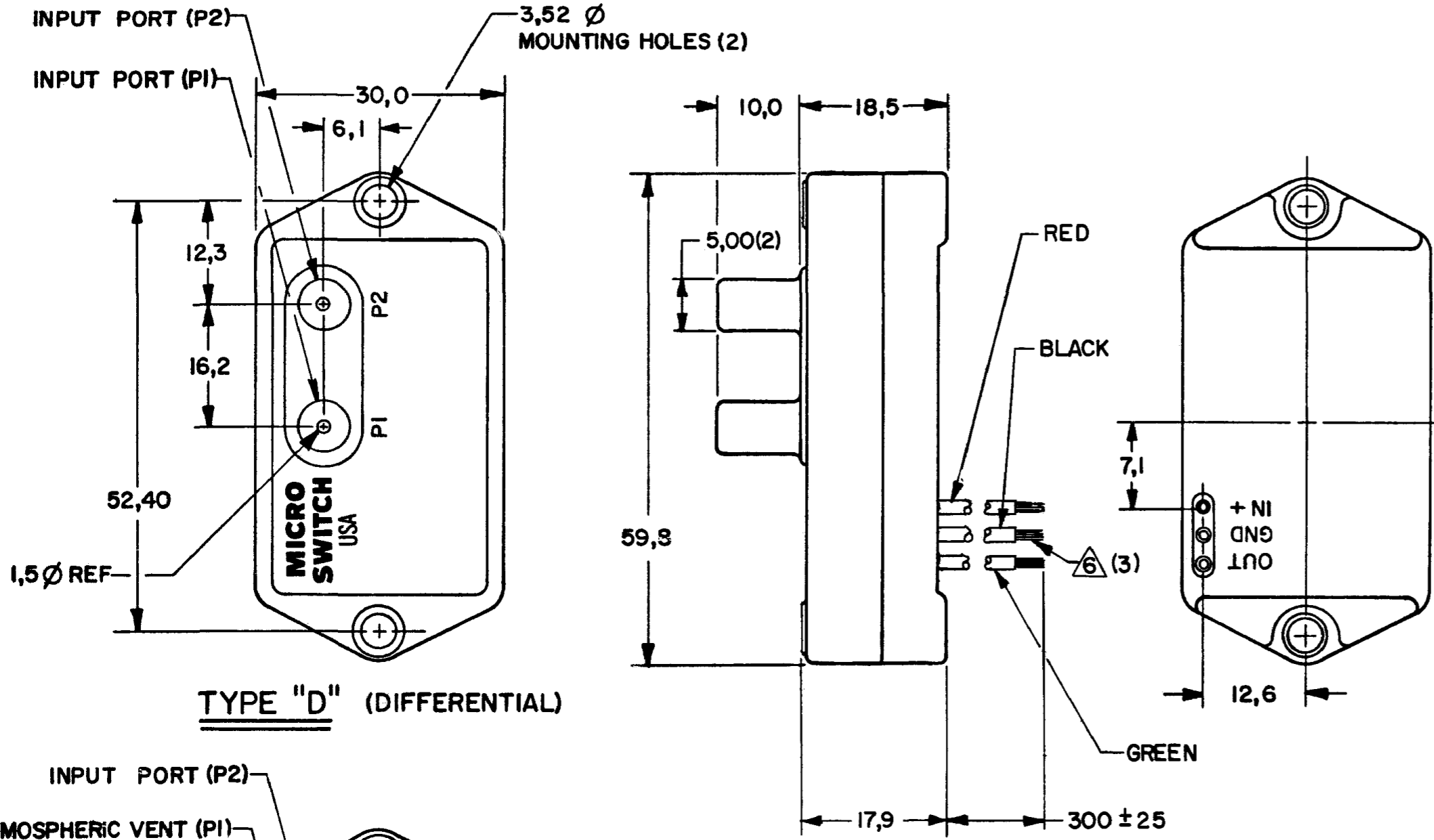


METRIC	INCH
1,5	.04
3,52	.139
5,00	.197
6,1	.240
7,1	.280
10,0	.39
12,3	.484
12,6	.496
16,2	.64
18,5	.73
30,0	1.18
52,40	2.063
59,8	2.35
300±25	11,8±1.0

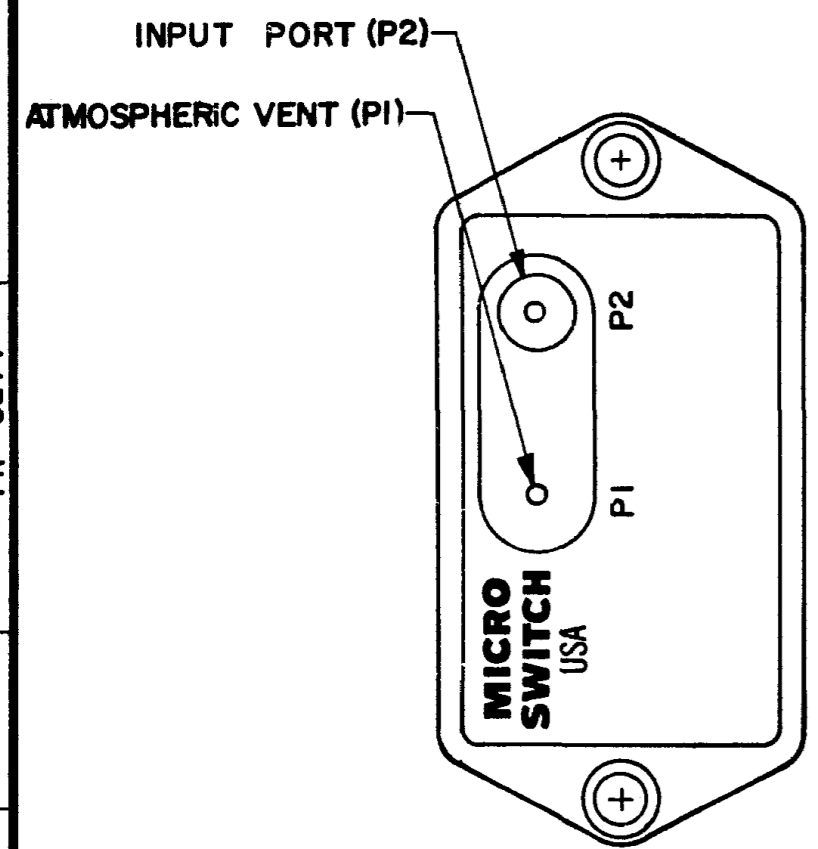
CATALOG LISTING	TYPE	OPERATING PRESSURE RANGE
(K)	D	0 TO -1.0 PSID
141PC01GW	G	0 TO -1.0 PSIG
142PC01DW	D	0 TO 1.0 PSID
142PC01GW	G	0 TO 1.0 PSIG



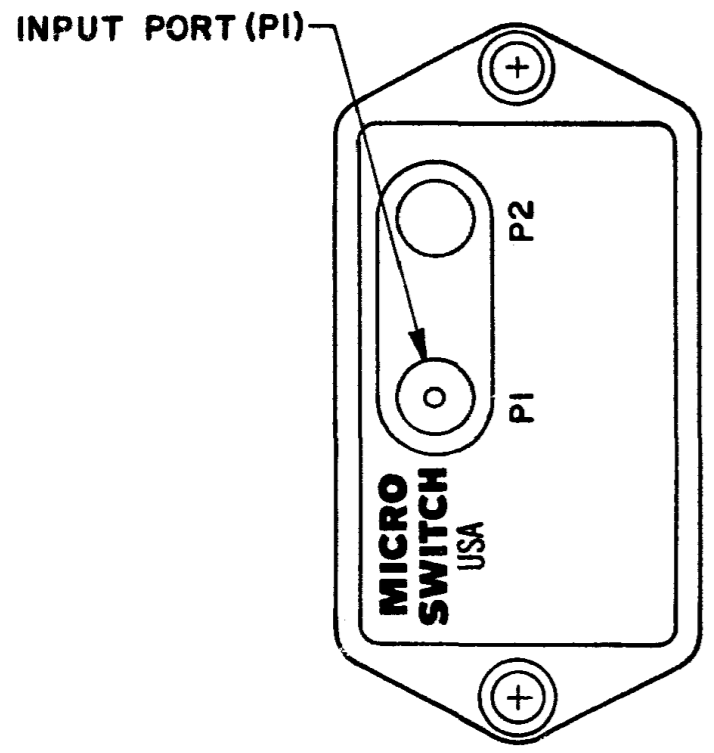
GENERAL OPERATING CHARACTERISTICS	
PRESSURE RANGE	0 TO 51.7 mmHg (0 TO 1 PSI)
OVERPRESSURE	1035 mmHg (20 PSI)
TEMPERATURE RANGES	STORAGE -55 TO +125°C OPERATE -40 TO +85°C COMPENSATED -18 TO +63°C
SUPPLY VOLTAGE	7 TO 16 VDC
SUPPLY CURRENT	20 mA MAX WITH 10K LOAD
SHORT CIRCUIT LIMIT	MAY BE SHORTED INDEFINITELY
OUTPUT RIPPLE	NONE
GROUND REFERENCE	SUPPLY AND OUTPUT ARE COMMON

ELECTRICAL PERFORMANCE AT 25°C AND 8.00 ± 0.01 VDC SUPPLY	
OUTPUT VOLTAGE	
141PC01DW OR GW	
NULL (0 PSIG)	1.00 ± 0.05 VDC
FULL SCALE (1.0 PSIG [51.7 mmHg])	6.00 ± 0.10 VDC (P2 < P1)
F.S.O. Δ	5.00 ± 0.05 VDC (P2 < P1)
142PC01DW OR GW	
NULL (0 PSIG)	1.00 ± 0.05 VDC
FULL SCALE (1.0 PSIG [51.7 mmHg])	6.00 ± 0.10 VDC (P2 > P1)
F.S.O. Δ	5.00 ± 0.05 VDC (P2 > P1)
SENSITIVITY	96.7 mW/mmHg (5.0 V/PSI)
LINEARITY (% F.S.O.) Δ (BFSL)	± 0.75 MAX (P2 < P1) ± 1.50 MAX (P2 > P1)
HYSTERESIS & REPEATABILITY (% F.S.O.) Δ	± 0.3 TYPICAL
TEMPERATURE ERROR (% F.S.O.) Δ	± 1.5% MAX
5° < 25° > 45°C	
RESPONSE TIME	1 m SEC MAX TYP

TYPE "D" (DIFFERENTIAL)



TYPE "G" (GAGE)



TYPE "A" (ABSOLUTE)

- NOTES**
- 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
 - TERMINALS ARE PLATED FOR SOLDERING
 - LIMIT SOLDERING TO 315°C MAX FOR 10 SECONDS MAX
 - UNITS ARE OF PLASTIC CONSTRUCTION
 - F.S.O. IS THE ALGEBRAIC DIFFERENCE BETWEEN THE OUTPUT END POINTS (NULL AND FULL PRESSURE)
 - STRIPPED & TINNED LEAD ENDS TO BE 5.0 MAX

CATALOG LISTING
M 140PC01 SERIES CHART 2
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 ISSUE 12
 REVISIONS
 A CO-50816 KAG 28 JAN 82
 B CO-51435 DJS 10 MAR 82
 C CO-53275 R J H 13 JUN 83
 D CO-54442 C J H 13 JAN 84
 E CO-54602 T R F 9 APR 84
 F CO-54752 G J W 29 MAY 84
 G PRI-3773 T S K 28 MAR 85
 H CO-54986 T S K 21 MAY 86
 J CO-62854 T L B 19 JAN 88
 K 201727 S L 1 MAR 01
 L 0038813 AD 24 JAN 08
 DRAWN G J W 128 NOV 75
 CHECK DJW
 RELEASE NO. PR-8274
 RASTER FO-52863-A
 FED. MFG. CODE 91229

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 FREEPORT ILLINOIS U.S.A.
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 FED. MFG. CODE 91229

PRESSURE TRANSDUCER

CATALOG LISTING
140PC01 SERIES CHART 2

DESIGN UNITS: SI METRIC (checked), US CUSTOMARY
 SCALE: NONE
 DO NOT SCALE PRINT
 TOLERANCES: APPLY TO DESIGN UNITS. CONVERSIONS ARE ONLY FOR REFERENCE. UNLESS NOTED, TOLERANCES ARE ±
 DIM. TOL. DIM. TOL.
 mm mm/in in mm/in
 NO PLACES X 1/04 X X 0.8/03
 ONE PLACE X,X 0.4/016 X,XX 0.38/015
 TWO PLACES X,XX 0.15/006 X,XXX 0.13/005
 THREE PLACES X,XXX 0.13/005
 ANGLES
 THIRD ANGLE PROJECTION
 WEIGHT 31 GRAMS