

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 5 (BFSL)	± 0.75 MAX (P2 < P1) ± 1.50 MAX (P2 > P1)
HYSTERESIS & REPEATABILITY (% F.S.O.) Δ 5	± 0.3 TYPICAL
TEMPERATURE ERROR (% F.S.O.) Δ 5	
5° < 25° > 45°C	± 1.5% MAX
RESPONSE TIME	1 m SEC MAX TYP

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	
ONE PLACE	X,X	0.47/016	X,X 0.87/03
TWO PLACES	X,X,X	0.38/015	X,X,X 0.38/015
THREE PLACES	X,X,X,X	0.15/006	X,X,X,X 0.15/005
ANGLES			

SI METRIC

US CUSTOMARY

DESIGN UNITS

RAW MATERIAL—COMMERCIAL STANDARD
MICRO SWITCH STANDARDS APPLY

DIMENSIONS ARE TO BE MET BEFORE PROTECTIVE COATINGS ARE APPLIED

THIRD ANGLE PROJECTION

SCALE NONE

DO NOT SCALE PRINT

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ANGLES			

SI METRIC

US CUSTOMARY

DESIGN UNITS

RAW MATERIAL—COMMERCIAL STANDARD
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DIMENSIONS ARE TO BE MET BEFORE PROTECTIVE COATINGS ARE APPLIED

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MICRO SWITCH

FREEPORT ILLINOIS U.S.A.

A DIVISION OF HONEYWELL

FED. MFG. CODE 91929

PRESSURE

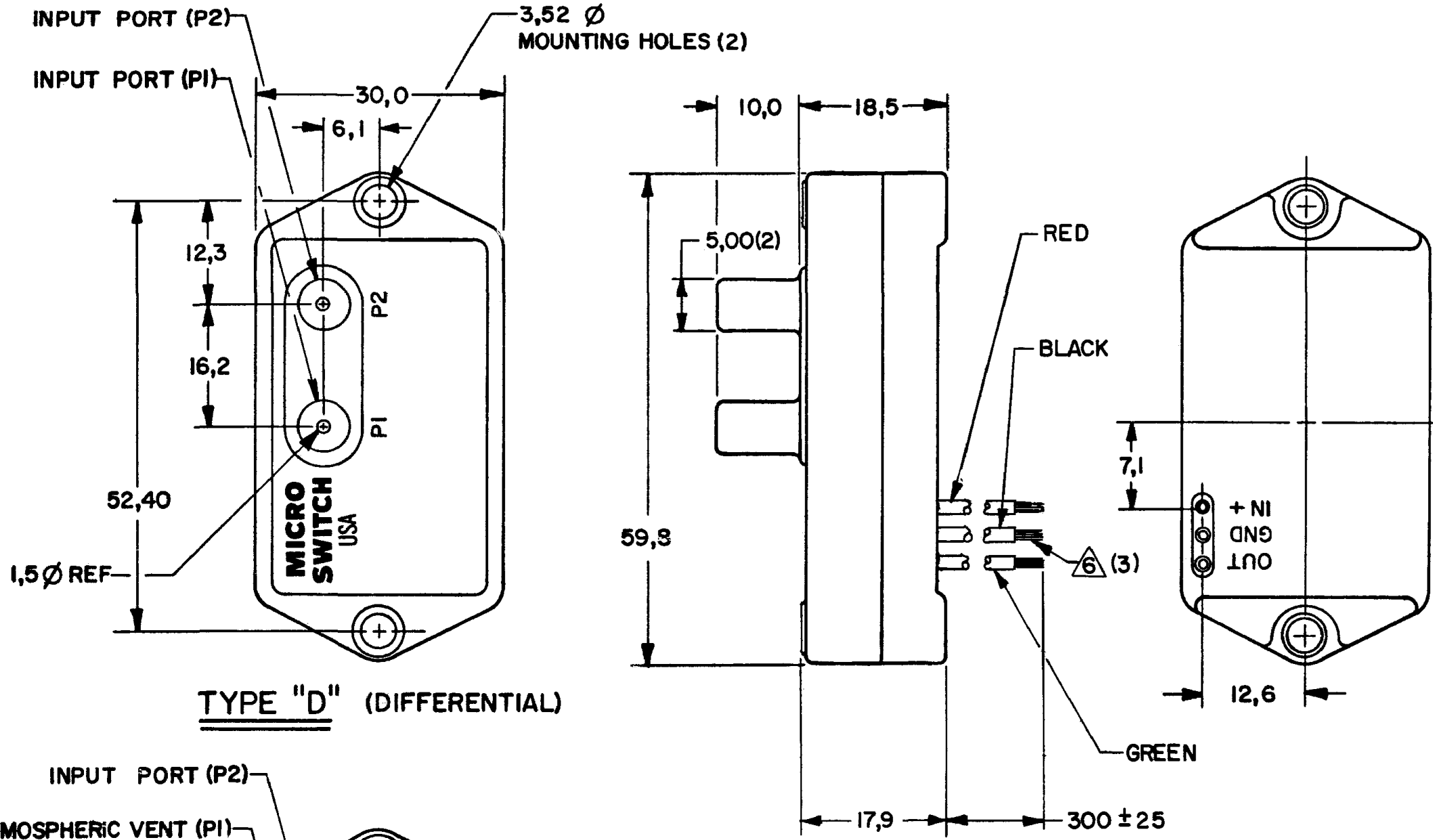
TRANSDUCER

CATALOG LISTING

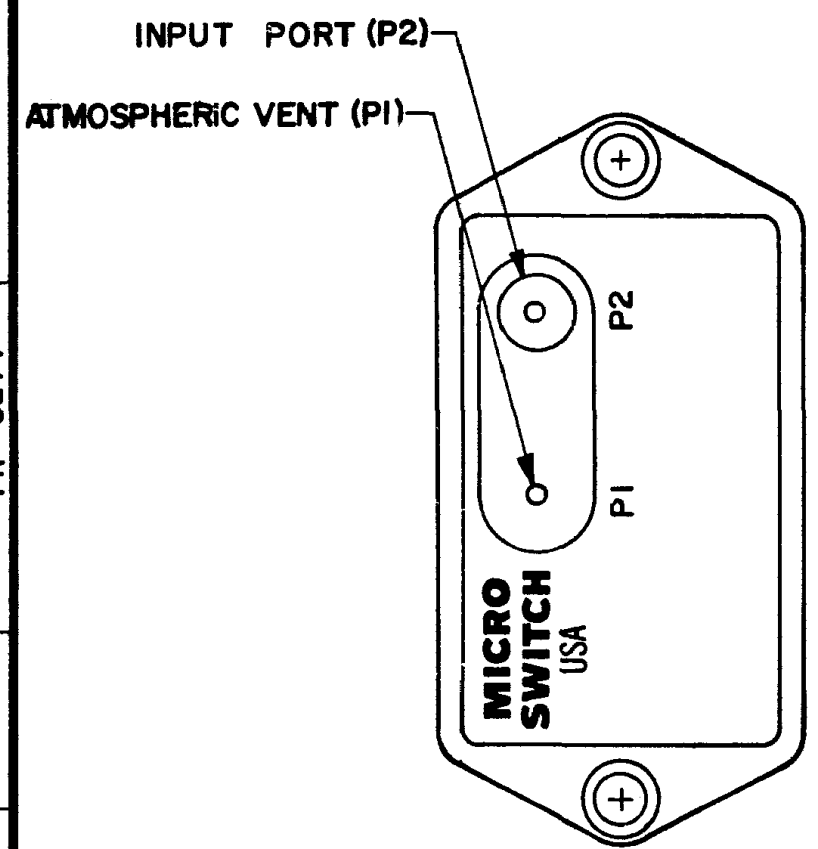
140PC01 SERIES

CHART 2

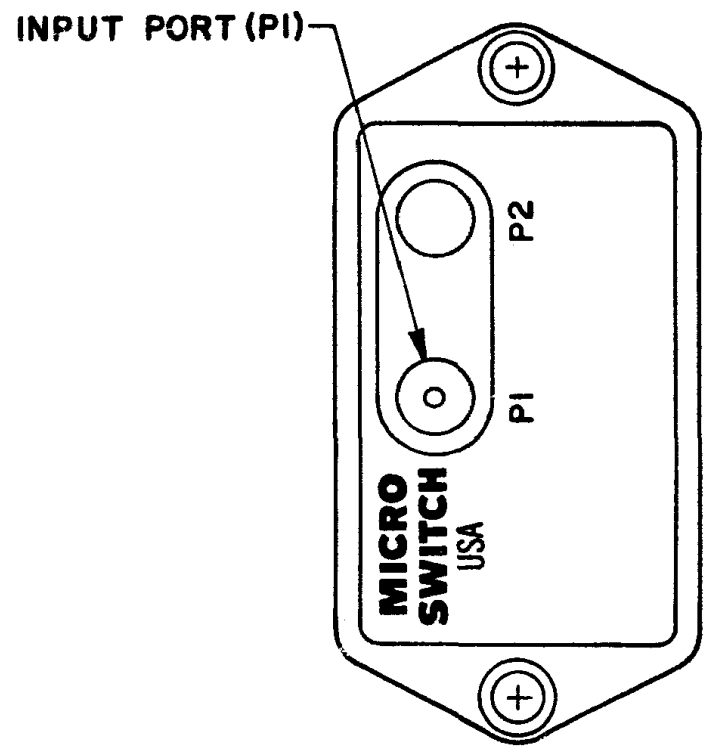
WEIGHT 31 GRAMS



TYPE "D" (DIFFERENTIAL)



TYPE "G" (GAGE)



TYPE "A" (ABSOLUTE)

- 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 - F.S.O. IS THE ALGEBRAIC DIFFERENCE BETWEEN THE OUTPUT END POINTS (NULL AND FULL PRESSURE)
 - 6 - STRIPPED & TINNED LEAD ENDS TO BE 5.0 MAX

CATALOG LISTING

140PC01 SERIES CHART 2

PAGE 1 OF 1

RELEASE NO. PR-8274

REPLACES

ISSUE 12

REVISIONS

REV.	DATE	BY	CHKD	DESCRIPTION
A	CO-50816			
B	26 JAN 82	KAG		
C	CO-51435			
D	CO-53275			
E	CO-54442			
F	CO-54252			
G	CO-54252			
H	CO-54252			
I	CO-54252			
J	CO-54252			
K	CO-54252			
L	CO-54252			
M	CO-54252			
N	CO-54252			
O	CO-54252			
P	CO-54252			
Q	CO-54252			
R	CO-54252			
S	CO-54252			
T	CO-54252			
U	CO-54252			
V	CO-54252			
W	CO-54252			
X	CO-54252			
Y	CO-54252			
Z	CO-54252			

RASTER

FO-52863-A

G J W 128 NOV 75