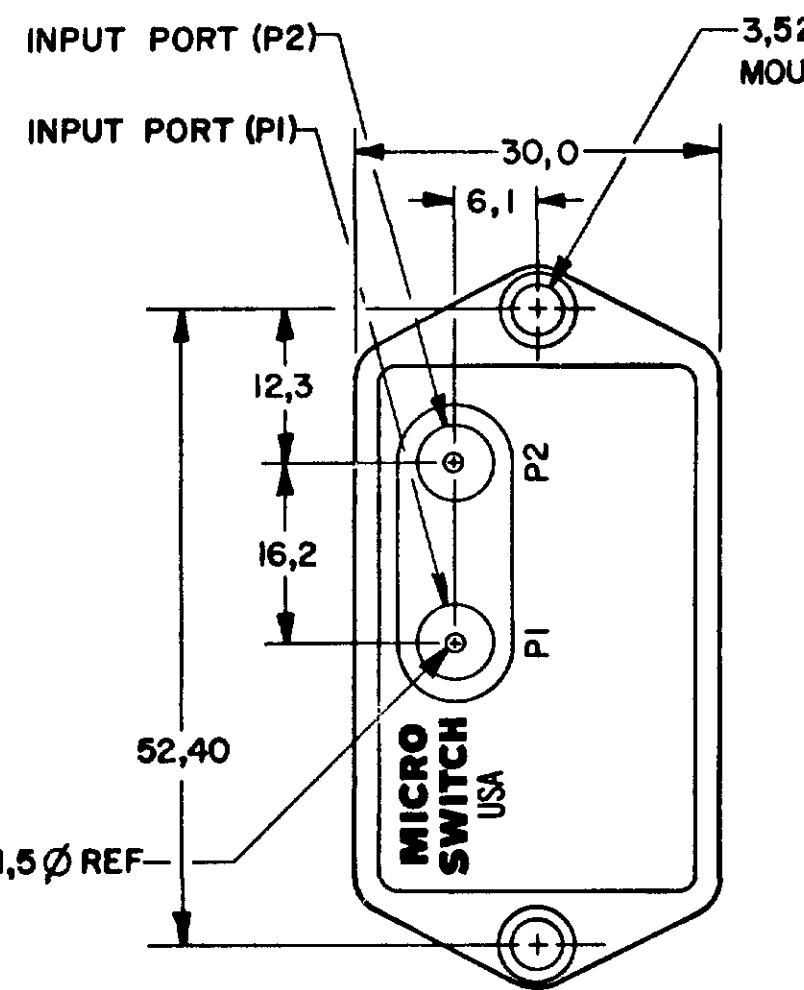
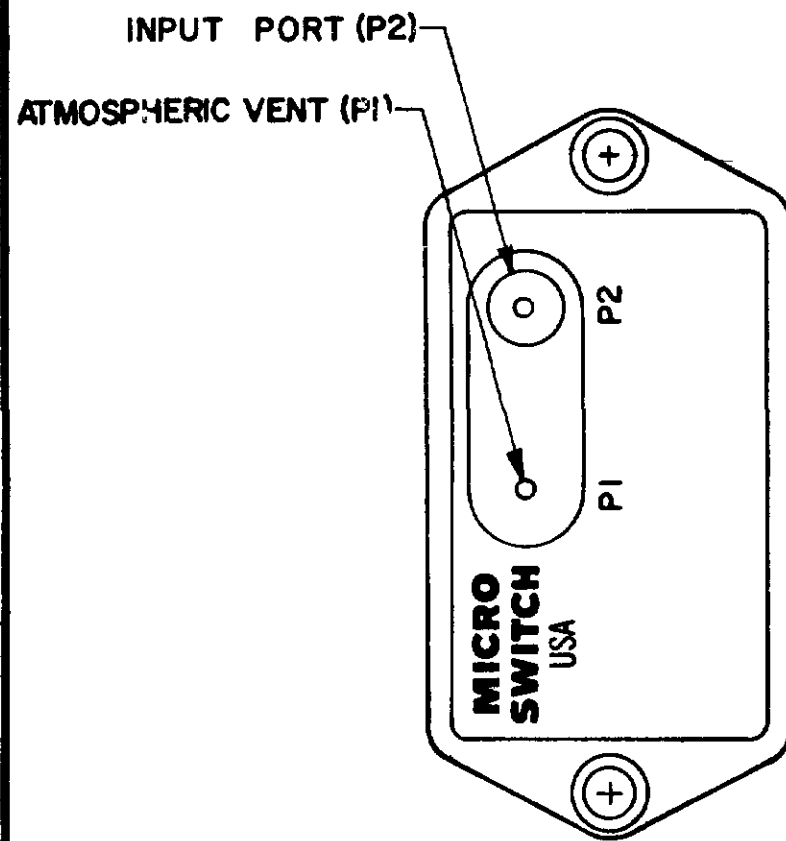


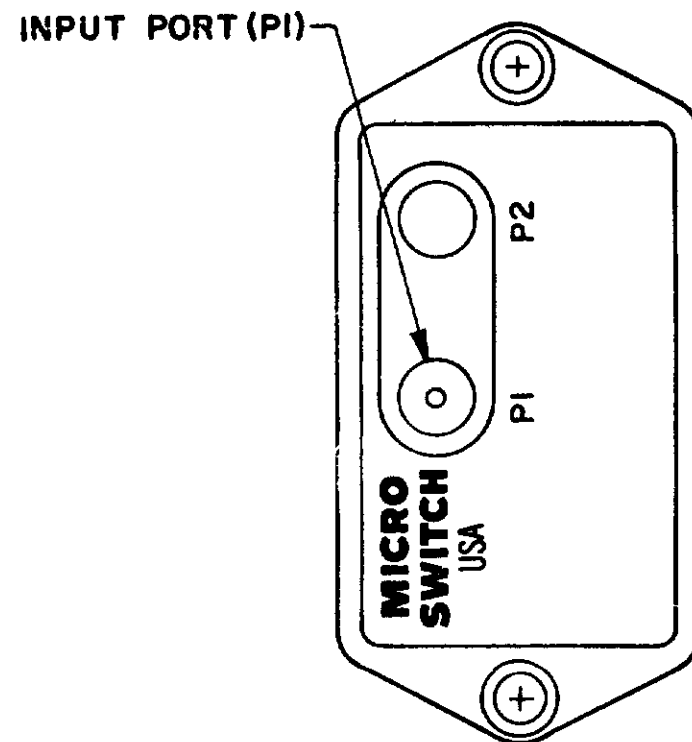
RELEASE NO. PR-8274



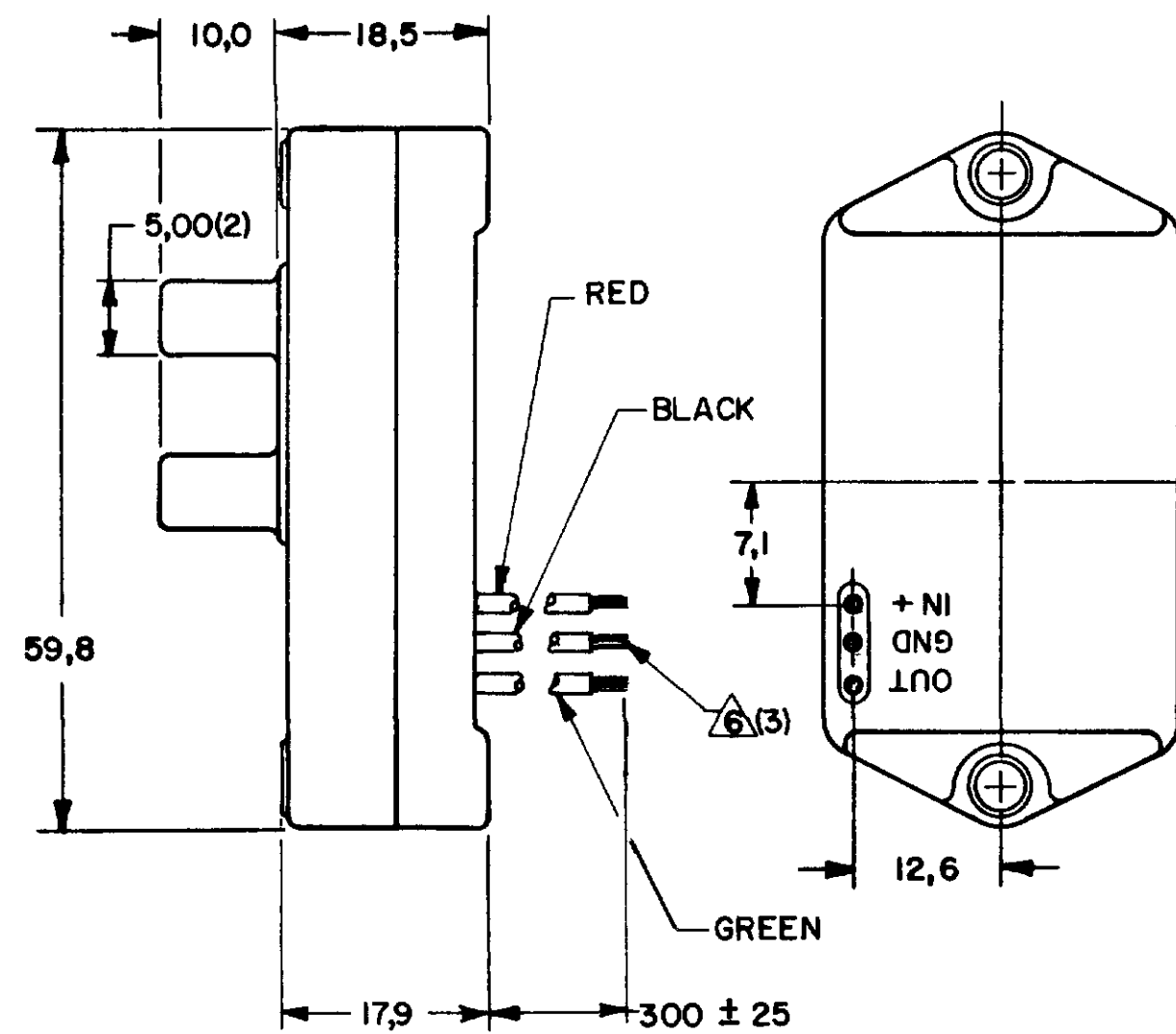
TYPE "D" (DIFFERENTIAL)



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
- NULL DRIFT AS PER ROUTE SHEET

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
300±25	11.8±1.0
30,0	1.18
52,40	2.063
59,8	2.35

CATALOG LISTING	TYPE	OPERATING PRESSURE RANGE
④	D	0 TO -5 PSID
141PC05GW	G	0 TO -5 PSIG
142PC05AW	A	0 TO 5 PSIA
④	D	0 TO 5 PSID
④	G	0 TO 5 PSIG
142PC05DW79 /7	D	0 TO 5 PSID

GENERAL OPERATING CHARACTERISTICS	
PRESSURE RANGE	0 TO 259 mm Hg (0 TO 5 PSI)
OVERPRESSURE	1035 mm Hg (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
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 ± 0.01 VDC SUPPLY	
OUTPUT VOLTAGE	
141PC05DW OR GW	
NULL (0 PSIG)	1.00 ± 0.05 VDC
FULL SCALE (5 PSIG [259 mmHg])	6.00 ± 0.10 VDC (P2 < P1)
F.S.O. Δ	5.00 ± 0.05 VDC (P2 < P1)
142PC05AW	
NULL (0 PSIA)	1.00 ± 0.05 VDC
FULL SCALE (5 PSIA [259 mmHg])	6.00 ± 0.10 VDC (P2 < P1)
F.S.O. Δ	5.00 ± 0.05 VDC (P2 < P1)
142PC05D W OR G	
NULL (0 PSIG)	1.00 ± 0.05 VDC
FULL SCALE (5 PSIG [259 mmHg])	6.00 ± 0.10 VDC (P2 > P1)
F.S.O. Δ	5.00 ± 0.05 VDC (P2 > P1)
SENSITIVITY	19.33 mV/mmHg (1.0V/PSI)
LINEARITY (% F.S.O.) Δ (BFSL)	± 0.75 MAX (P2 < P1) ± 1.50 MAX (P2 > P1)
HYSTERESIS & REPEATABILITY (% F.S.O.) Δ	± 0.25 TYP
TEMPERATURE ERROR (% F.S.O.) Δ	
5° < 25° > 45°C	± 0.5 TYP
-18° < 25° > 63°C	± 1.0 MAX
-40 < 25° > 85°C	± 2.0 TYP
RESPONSE TIME	1 m SEC MAX

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	ONE PLACE	X X
ONE PLACE	X, X	TWO PLACES	X X X
TWO PLACES	X, XX	THREE PLACES	X XXX
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	DO NOT SCALE PRINT
SCALE NONE	TOLERANCES
	APPLY TO DESIGN UNITS. CONVERSIONS ARE ONLY FOR REFERENCE. UNLESS NOTED, TOLERANCES ARE ±
	NO PLACES X
	ONE PLACE X X
	TWO PLACES X X X
	THREE PLACES X X X X
	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
	WEIGHT 31 GRAMS

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MICRO SWITCH
FREEPORT, ILLINOIS, U.S.A.
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FED. MFG. CODE 91429

PRESSURE TRANSDUCER

CATALOG LISTING
140PC05 SERIES
CHART 2