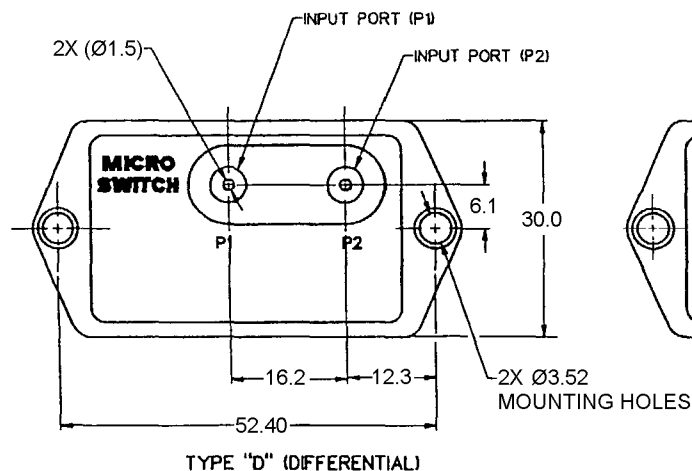
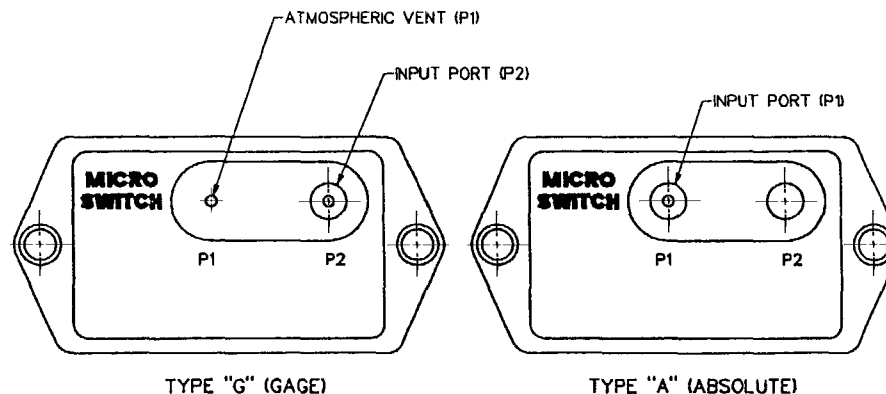




GENERAL OPERATING CHARACTERISTICS	
PRESSURE RANGE	0 TO 103.4 mmHg (0 TO 2 PSI)
OVERPRESSURE	1035 mmHg (20 PSI)
TEMPERATURE RANGES	
STORAGE	-55 TO +125°C
OPERATING	-40 TO +85°C
COMPENSATED	+5 TO +45°C
SUPPLY VOLTAGE	7 TO 16 VDC
SUPPLY CURRENT	20mA MAX WITH 10K LOAD
SHORT CIRCUIT LIMIT	MAY BE SHORTED INDEFINITELY
OUTPUT RIPPLE	NONE
GROUND REFERENCE	SUPPLY AND OUTPUT ARE COMMON

OUTPUT VOLTAGE	
142PC02D OR G 141PC02D	
NULL (0 PSIG)	1.00±0.05 VDC
FULL SCALE (2.0 PSIG (103.4 mmHg))	6.00±0.20 VDC (P2 > P1)
141PC02D	
FULL SCALE 2.0 PSID	6.00±0.2 VDC (P1 > P2)
SENSITIVITY	48.35mV/mmHg (2.5 V/PSI)
LINEARITY (X.F.S.O.) Δ	±0.75 (BEST FIT P2 < P1) ±1.50 (BEST FIT P2 > P1)
HYSTERESIS & REPEATABILITY (X.F.S.O.) Δ	±0.3 TYPICAL
TEMPERATURE ERROR (X.F.S.O.) Δ	
5° TO 45°C	±1.5 MAX
RESPONSE TIME	1 m SEC MAX

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)



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
18.2	.64
17.9	.70
18.5	.73
30.0	1.18
52.40	2.06
59.8	2.35

THIRD ANGLE PROJECTION

SCALE 2, 1

DO NOT SCALE PRINT

UNLESS OTHERWISE SPECIFIED
TOLERANCES ARE

TOLERANCES ARE
NO PLACE (0) ± 1 mm

NO FLAGE	(0,7)	± 1 mm
ONE PLACE	(0,0)	± 0.4 mm

ONE PLACE	(0.01)	± 0.4 mm
TWO PLACE	(0.00)	± 0.15 mm

TWO PLACE ANGLES ± 0.5 mm

WEIGHT 31 G

MASTER REDUCED
ANSI Y14.5M-1982 APPLIES

MICRO SWITCH
a Honeywell Division

PRESSURE TRANSDUCER

CATALOG LISTING
140PC02 SERIES
CHART 1

ANNALS	
WEIGHT	31 G

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