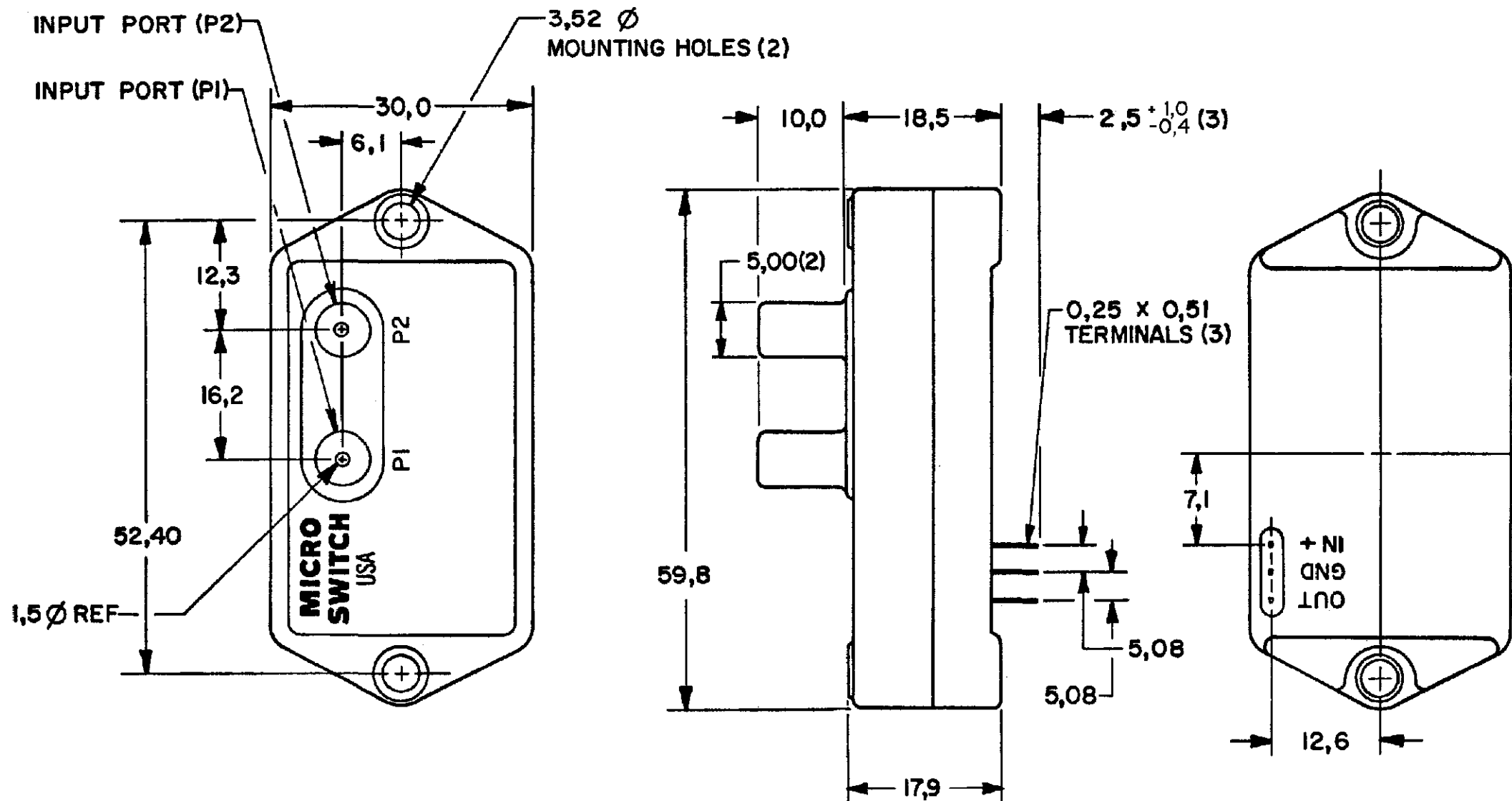




METRIC	INCH
0,4	.016
0,25	.010
0,51	.020
1,0	.039
1,5	.04
2,5	.099
3,52	.139
5,00	.197
5,08	.200
6,1	.240
7,1	.280
10,0	.39
12,3	.484
12,6	.496
16,2	.64
17,9	.70
18,5	.73
30,0	1.18
52,40	2.06
59,8	2.35

M	143PC03D
OPERATING PRESSURE RANGE	
±2.5 PSI	

GENERAL OPERATING CHARACTERISTICS	
PRESSURE RANGE	-129 TO 129 mm Hg (-2.5 TO 2.5 PSI)
OVERPRESSURE	1035 mm Hg (20 PSI)
TEMPERATURE RANGE	-55°C TO +125°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 SHORTENED 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	
143PC03D	
NULL (0 PSID)	3.50±0.05 VDC
2.5 PSI (P2 > P1) /6	6.00±0.20 VDC
2.5 PSI (P2 < P1)	1.00 VDC TYP
SENSITIVITY	19.33 mv/mm Hg (1.0 v/PSI)
LINEARITY (%F.S.O.) /5	±0.75 (BEST FIT P2 < P1) ±1.50 (BEST FIT P2 > P1)
HYSTERESIS & REPEATABILITY (% F.S.O.) /5	±0.25 TYPICAL
TEMPERATURE ERROR (% F.S.O.) /5	
A RANGE OF 80°C TOTAL	±1.0 MAX
A RANGE OF 125°C TOTAL	±1.5 TYP
RESPONSE TIME	1 m SEC MAX

- 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)
 - OUTPUT @ 69" H₂O 5.988±.20 VDC (TESTING)