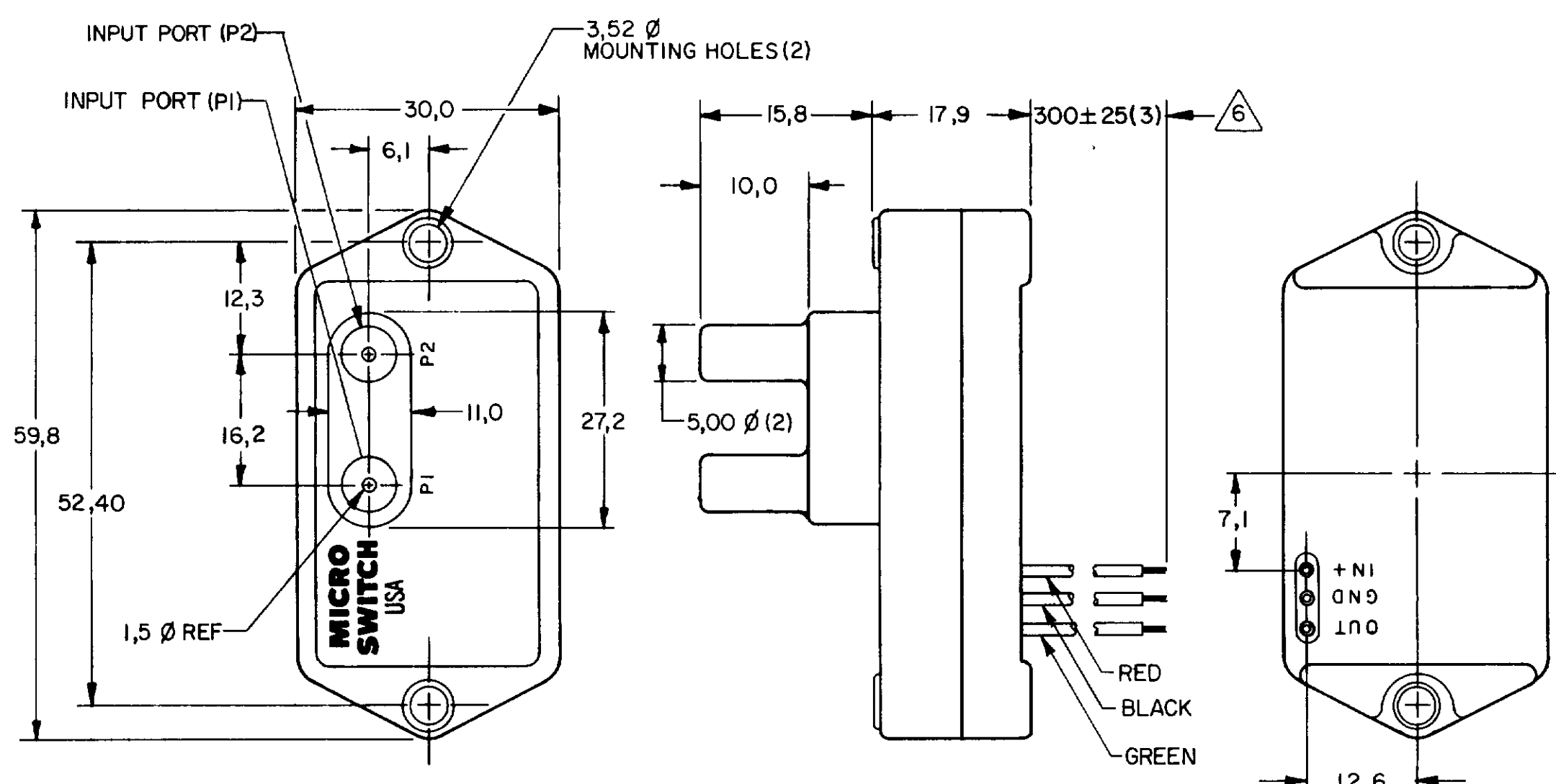


METRIC	INCH
0,25	.010
0,51	.020
1,5	.06
2,5	.09
3,52	.139
5,00	.197
5,08	.200
6,1	.240
7,1	.280
10,0	.39
11,0	.43
12,3	.484
12,6	.496
15,8	.51
16,2	.64
17,9	.70
27,2	1.07
30,0	1.18
52,40	2.06
59,8	2.35



TYPE "D" (DIFFERENTIAL)

GENERAL OPERATING CHARACTERISTICS	
PRESSURE RANGE	0 TO 10 IN. H ₂ O
OVERPRESSURE	5 PSI
TEMPERATURE RANGE	5°C TO 45°C
SUPPLY VOLTAGE	8 VDC
SUPPLY CURRENT	20 mA MAX WITH 10K LOAD
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	
NULL (0 PSI)	1.000 ± .050 VDC
FULL SCALE (10 IN. H ₂ O)	6.00 ± .200 VDC (P ₂ > P ₁)
SENSITIVITY	(5V/IN. H ₂ O)
LINEARITY (% F.S.O.) ⁵ (BEST FIT)	±1.0 (P ₂ < P ₁) ±2.0 (P ₂ > P ₁)
HYSTERESIS & REPEATABILITY (% F.S.O.) ⁵	± 0.15 TYPICAL
TEMPERATURE ERROR (% F.S.O.) ⁵	
5° < 25° > 45°C	± 1.0 MAX
-40° < 25° > 85°C	± 2.0 TYP
RESPONSE TIME	1 mSEC 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)
 - STRIPPED AND TINNED LEAD ENDS TO BE 5.0 MAX

FO-52863-A
 DRAWING NUMBER
M 164PCOIDW45
 ISSUE **X 2**
 REVISIONS
 A 0058710
 J A P
 30 DEC 85
 CHECK KAG 2 APR 85
 DRAWN KEW 29 MAR 85
 RELEASE NO. PR-13809
 REPLACES

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FED MFG CODE 91928

**LOW PRESSURE
TRANSDUCER**

CATALOG LISTING
164 PCOIDW45

SI METRIC US CUSTOMARY

DESIGN UNITS

WEIGHT

DIM.	TOL.	DIM.	TOL.
mm	mm/in	in	mm/in
NO PLACES	X	1/04	
ONE PLACE	X,X	0 4/018	X X 0 8/03
TWO PLACES	X,X,X	0 15/006	X X X 0 38/015
THREE PLACES	X,X,X,X		X X X X 0 13/005

THIRD ANGLE PROJECTION

SCALE NONE

DO NOT SCALE PRINT

TOLERANCES
APPLY TO DESIGN UNITS CONVERSIONS ARE ONLY FOR REFERENCE UNLESS NOTED. TOLERANCES ARE ±