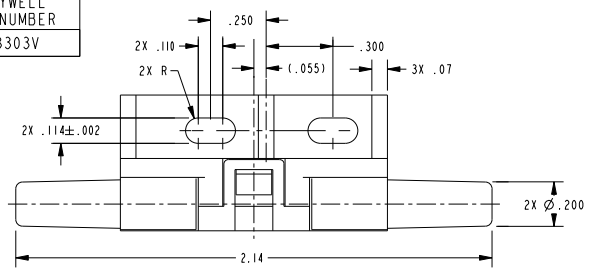
FO-55111-B

HONEYWELL PART NUMBER
AWM3303V

REV	DOCUMENT	CHANGED BY	CHECK
7	0013772	RS 20JUN05	AK



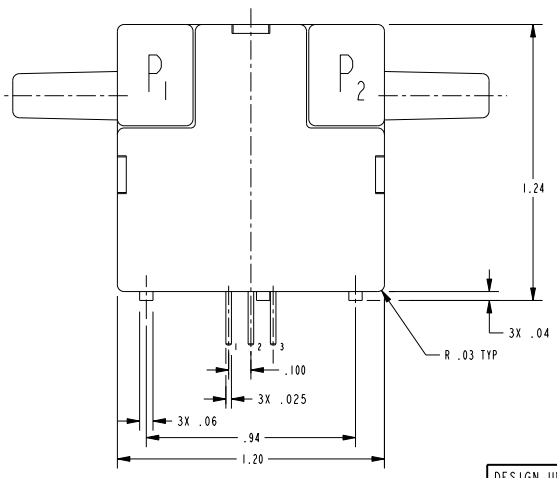
SUPPLY VOLTAGE	8 TO 15 VDC
RECOMMENDED EXCITATION	10.00 ±01 VDC
POWER CONSUMPTION	50mW TYP
OUTPUT VOLTAGE @ 1000 sccm	5.000 ±.150 VDC
OUTPUT VOLTAGE @ NULL (0 sccm)	3.000 ±.050 VDC
OUTPUT VOLTAGE @ -1000 sccm	1.000 ±300 VDC
CALIBRATION GAS	NITROGEN
NULL OUTPUT SHIFT -25 °C TO +85 °C	± 050 VDC MAX
FULL SCALE OUTPUT SHIFT -25 °C TO +25 °C +25 °C TO +85 °C	 +5.0% READING MAX +5.0% READING MAX
REPEATABILITY AND HYSTERESIS P1 TO P2	±1% READING MAX
REPEATABILITY AND HYSTERESIS P2 TO P1	±1.5% READING MAX
RESPONSE TIME	3 mSEC MAX
OPERATING TEMPERATURE	-25° C TO +85° C
STORAGE TEMPERATURE	-40° C TO +90° C
TERMINATION .10 INCH CENTERS	.025 INCH SQUARE
OVERPRESSURE	25 PSI MAX

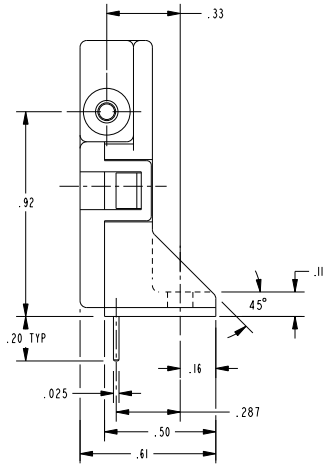
OUTPUT CONNECTIONS

PIN 1 OUTPUT VOLTAGE

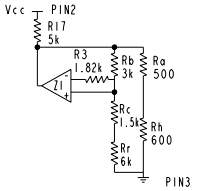
PIN 2 + SUPPLY VOLTAGE

PIN 3 GROUND

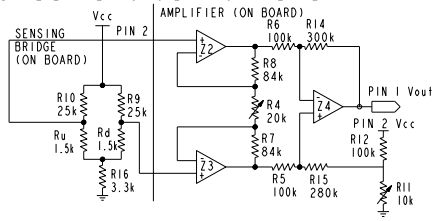




HEATER CONTROL CIRCUIT



SENSING BRIDGE SUPPLY CIRCUIT AND DIFFERENTIAL INSTRUMENTATION AMPLIFIER



NOTE

1 - POSITIVE FLOW DIRECTION IS DEFINED AS PROCEEDING FROM P_1 TO P_2 AND RESULTS IN POSITIVE OUTPUT VOLTGE CHANGE
NEGATIVE FLOW DIRECTION IS DEFINED
CONVERSELY AND RESULTS IN NEGATIVE OUTPUT VOLTAGE CHANGE

DESIGN UNITS: INCH
TOLERANCES UNLESS NOTED:

NO PLACE	X	±	
ONE PLACE	.X	±	.030
TWO PLACE	.XX	±	.015
THREE PLACE	.XXX	±	.005
FOUR PLACE	.XXXX	±	
ANGLES	X	±	

THIRD ANGLE PROJECTION

DRAWN	GJW	08MAY00
CHECK	SAV	08MAY00

INTERPRET PER ANSI Y14.5M-1982
OTHER HONEYWELL ENGINEERING STANDARDS MAY APPLY

Pro/ENGINEER 2D

Honeywell

TITLE: **AIRFLOW SENSOR**

SIZE	TYPE	DRAWING NAME	REV
B	1	AWM3303V	7

SCALE 3:1 SHEET 1 OF 1