



DAVTRON

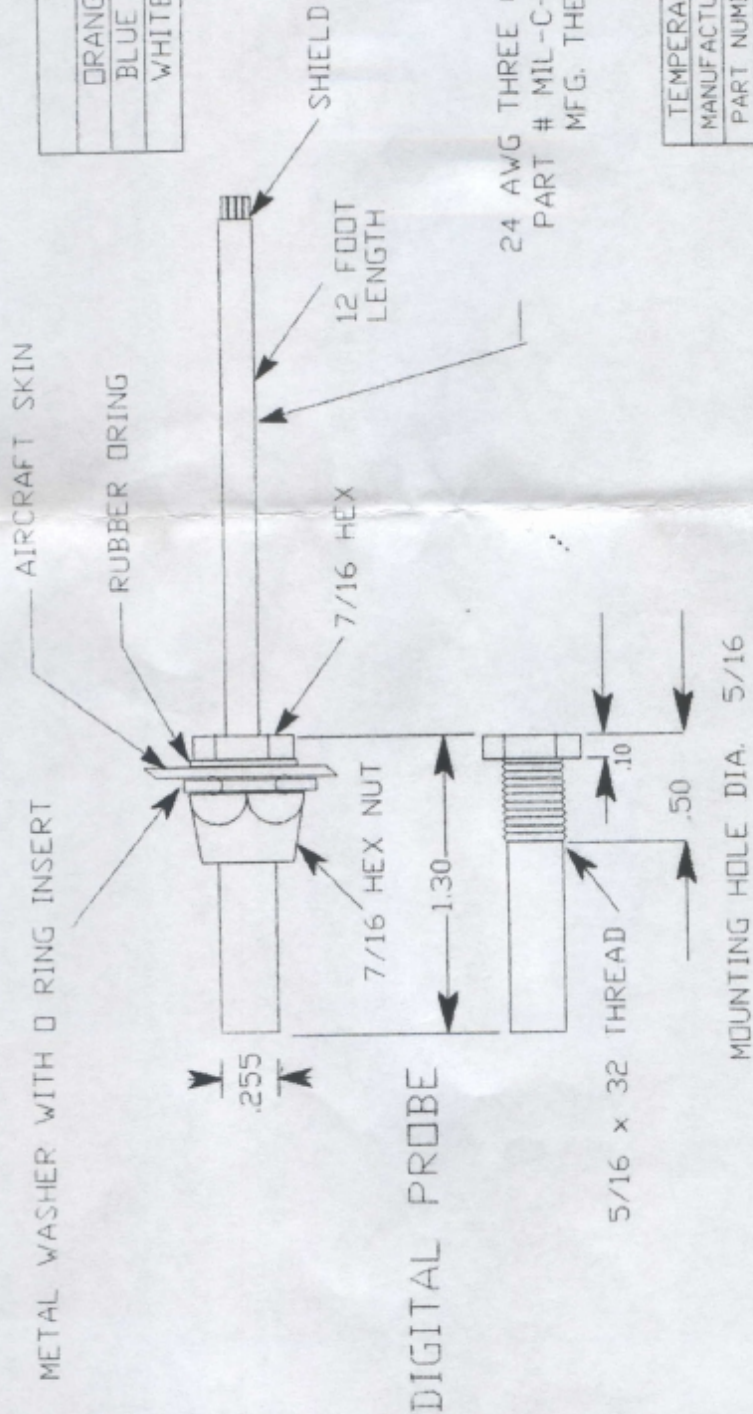
C.R.S. D9QR836X

427 HILLCREST WAY • EMERALD HILLS • REDWOOD CITY, CALIFORNIA 94062 ■ (650) 369-1188 • Fax (650) 369-9988

MODEL 301 CONTINUING AIRWORTHINESS

The Model 301 has a precision temperature sensor that is calibrated at the factory. The probe is linear from -65°C to $+150^{\circ}\text{C}$ and no calibration is required in the field. No continuing airworthiness is required on the Model 301.

PROBE MOUNTING



WIRE DESIGNATION	
ORANGE	DATA
BLUE	GROUND
WHITE	PROBE POWER

TEMPERATURE SENSOR	
MANUFACTURER	MAXIM
PART NUMBER	DS18B20

NOTES: THE TEMPERATURE SENSOR MOUNTING SHOULD BE IN A PLACE THAT IS FREE OF EXHAUST GASES OR COWL FLAPS AIRFLOW. THE IDEAL PLACE IS TWO FEET OUT FROM THE WING ROOT ON THE BOTTOM OF THE WING. SENSOR LEADS MAY BE LENGTHENED OR SHORTENED WITHOUT AFFECTING CALIBRATION.

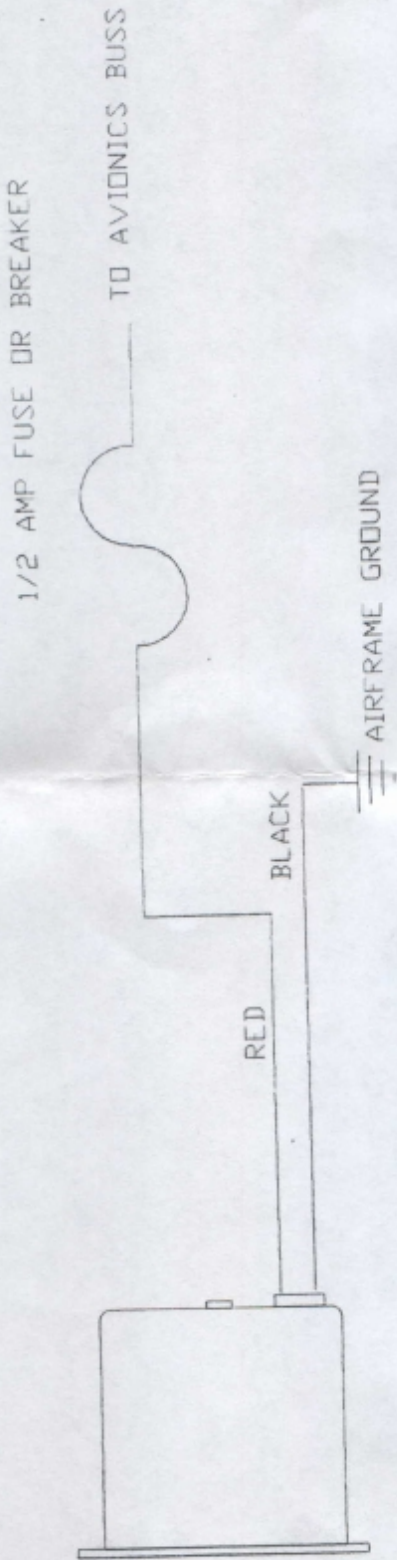
REVISIONS		
NO	DATE	BY
1	9/14/09	RGW
2		
3		
4		
5		

D307PS OUTLINE



427 HILLCREST WAY
REDWOOD CITY, CA 94062

DRAWN BY	SCALE	MATERIAL
RV	NONE	
CHK'D	DATE	DRAWING NO.
	2/27/07	303-018
TRACED	APP'D	RGW



NOTES :

- 1 CONNECT FUSE AS CLOSE TO SOURCE AS POSSIBLE
- 2 WIRE GAUGE #24AWG
- 3 SEE DATA SHEET FOR TEMPERATURE PROBE MOUNTING DETAILS

301 ELECTRICAL

REVISIONS	
NO	DATE
1	
2	
3	
4	
5	

DAVTRON INC. 427 HILLCREST WAY REDWOOD CITY, CA 94062	SCALE NONE	MATERIAL
DRAWN BY RCW	DATE 8/23/91	DRAWING NO. 301-016
CHK'D	APP'D DNT	