

# SIGTRONICS' DVM-200

## Add a Diagnostic Tool to your panel!

**The DVM-200 helps you diagnose low cranking voltage, inoperative alternator or generator, loose drive belts, malfunctioning voltage regulator, system short circuit problems and other low voltage or high voltage conditions.**

Try a little preventative medicine by using a Sigtronics' Digital Voltmeter. Early detection of potentially hazardous electrical problems may save costly equipment.

The digital voltmeter provides precise voltage readings and therefore can allow the pilot to detect a malfunction. This enables you to make "power down" decisions to conserve electrical energy for critical operations, such as flap and gear extension, and communications. The DVM-200 is a definite **must** for the conscientious pilot!

- **PRECISION INSTRUMENT-** The Sigtronics DVM-200 Digital Voltmeter is a precision electronic instrument which employs the latest in digital technology. It provides the pilot with a means of detecting minute changes in electrical system performance which could be a sign of trouble and impending system failure.
- **ACCURACY** - Precise monitoring of the electrical system voltage is possible with an accuracy of +1% of full scale. The resolution is 0.1 volts.

### SPECIFICATIONS:

- Dimensions: 2.5" x 2.5" x 3.5" deep
- Voltage Requirement: 8-35 VDC
- Operates on 12V or 24V systems
- Current Drain: 0.01 amps, exclusive of lighting system.



- **LARGE LCD DISPLAY** is easy to view in sunlight. Back lighting is provided for night flying. The lighting circuit can be connected to the aircraft panel light dimmer circuit to be dimmed with the other panel lights.
- **DESIGNED TO FIT** the standard 2-1/4" instrument hole, the DVM-200 is easy to install. The unit comes with the connection cable and a back lighting kit.

- Accuracy:  $\pm 1\%$  of full scale
- Resolution: 0.1V
- Weight: 3.5 ounces
- Warranty: One year parts and labor



Made in U.S.A.

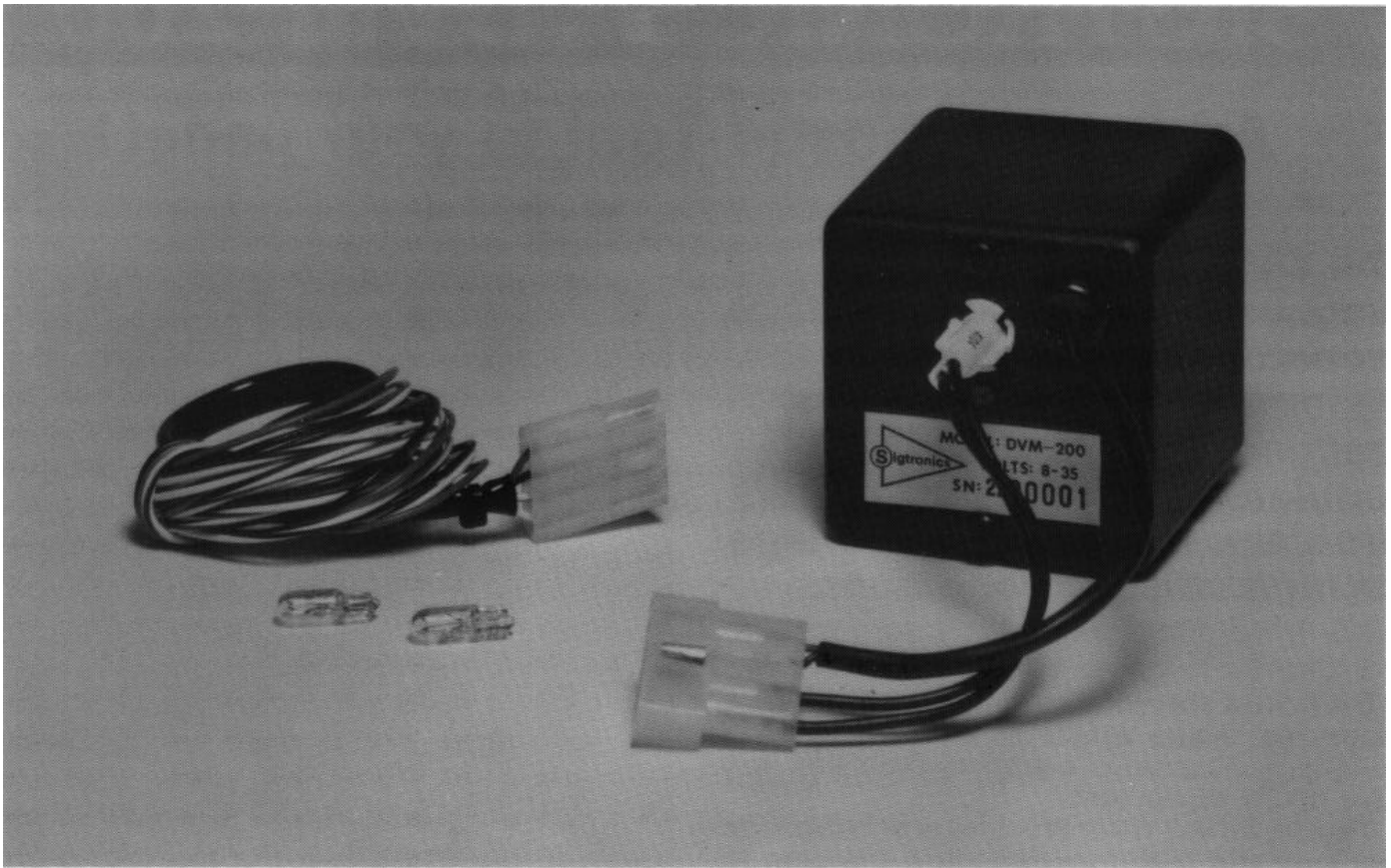
*Serving You Since 1974*

**Specialists in "SOUND" Management**

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Form DVM-2

## SIGTRONICS' DVM-200 INSTALLATION INSTRUCTIONS



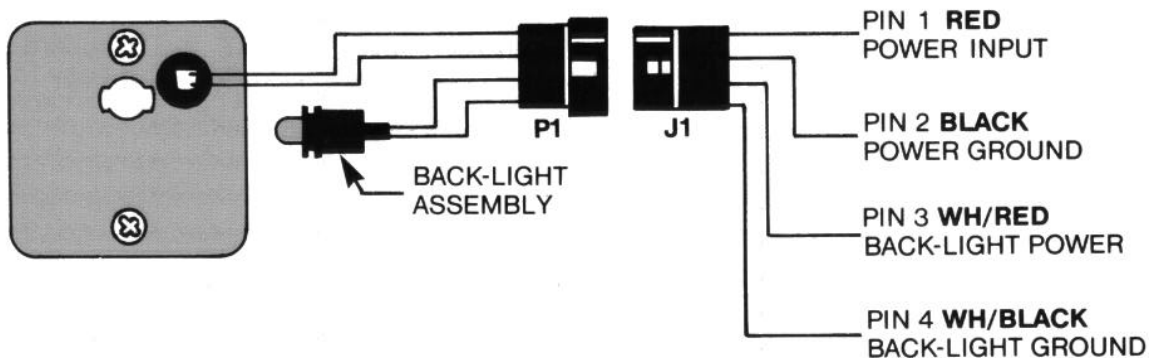
The Sigtronics DVM-200 Digital Voltmeter is designed for mounting in the conventional 2¼" instrument panel cutout. Parts Supplied: backlighting kit, power supply cable, and 4 ea. mounting screws.

For 12V electrical systems, install the #73 lamp into the lamp socket. A 24V system requires the #85 lamp. (The lamp identification numbers appear on the bulb's glass envelope).

**BACK LIGHTING KIT** - Prior to mounting the DVM, determine the aircraft's electrical system voltage. Then select the proper voltage lamp from the backlighting kit. The kit consists of a lamp socket and two wedge base incandescent lamps.

Install the lamp/socket assembly into the hole on the rear of the instrument case by inserting and rotating 1/8 turn clockwise.

### ELECTRICAL CONNECTIONS



PIN NO.	COLOR	FUNCTION	CONNECT TO
1	RED	DVM Power Input 12V or 24V	Power through 1 amp inline fuse or appropriate circuit breaker.
2	BLACK	DVM Power Ground	Aircraft Chassis Ground
3	WH/RED	DVM Back-Light Power	Avionics Panel Lighting Dimmer Control
4	WH/BLACK	DVM Back-Light Ground	Aircraft Chassis Ground