1. Resolution - The R-1-N1 displays in .1% increments.

2. Flight Timer - The Flight Timer resets and starts timing when the RPM exceeds 94% for 10 seconds. Then Flight Timer stops when the RPM drops below 94% for 10 seconds.

3. Tach Timer - The Tach Timer runs for RPM’s above 94%.

4. Hookup - Connect the Orange lead from the unit to either terminal on the N1 Tach Generator. Do not use isolators in this lead.

5. Reading below 1% will be displayed as 0%.

6. The unit will trigger on a .4 Volts or higher input signal.
R-1-N1
Wiring Diagram

WD 0731011

Do not use screws longer than 1/2" (4 ea.).

Power Lead, connects to 12 or 24 Volt Bus via one amp fuse.
Ground Lead, connects to Ground.

12V Backlight Control Line, connects to Red Power Lead for a 12V system. 12 volts turns on the digital display backlight.

24V Backlight Control Line, connects to Red Power Lead for a 24V system. Connect to ground for 12 Volt System.

Analog LED Lighting Control Line, connects to Panel Light Rheostat. 12/24 volts dims the analog LEDs.

(Optional) External Warning Control Line. Can be connected to a relay to control an external light, buzzer, etc. Grounds when Red Warning Light is on. Current must be limited to 2/10 amp maximum.

To the Tach Generator.
R-1-N1
Circular Connector

Connecting Cable Harness, Back View (wire side)
OR
Instrument Connector, Front View

Optional: RS232 Wire.
Connecting the R-1-N1 or R-1-N2 to a Walters Tach Generator

1. Connect pin ìVî to Ground.
2. Connect pin ìAî to the R-1-N1 orange lead.

Note: Any two pins (A, B or V) may be used. Ground any one pin and connect any other to the R-1-N1 orange lead. Outputs on some Tach Generators can become intermittent causing jumpy readings. You can test the Tach Generator by using an ohmmeter and checking for 35 ohms between any two pins (A, B or V).

Note: Do Not Use Pins ìGî or ìD.î These pins are floating and independent of the other pins.

Note: The signal out of the Walters Tach Generator can be noisy. If this is the case, a .1uF disc ceramic cap placed near the Tach Generator and across the two output leads will help.