

www.PerihelionDesign.com



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For Experimental Aircraft Use Only

The Very Best \$49.95 “13 Volt Idiot Light” *Since Hector was a Pup!*

They call these “*Idiot Lights*”. An “Idiot” is defined as an epithet that can be directed at anyone but you. So do this for your friends—they really need it.

Since your alternator and battery voltage is about 14.5 volts when the alternator is working, a Low Voltage Warning Indicator trips at 13 volts to tell you that your alternator has failed—and from that point you’re going to be losing electrical energy—so you’d better start making plans if you need the electrical power.

Specs:

Trip: 13.0 volts, +/-1%
Standby current: appx. 80 μ A, Tripped current: appx. 32 mA
Automatic hysteresis (glitch suppressor)
Viewing angle 60 degrees
Color: Blinking (std) Super-Bright Red
630 nm Gallium Aluminum Arsenide
>600 mcd 10mm LED

Less expensive, lighter weight, longer life, more rugged and far more accurate than Aircraft Spruce’s.

Price at Aircraft Spruce

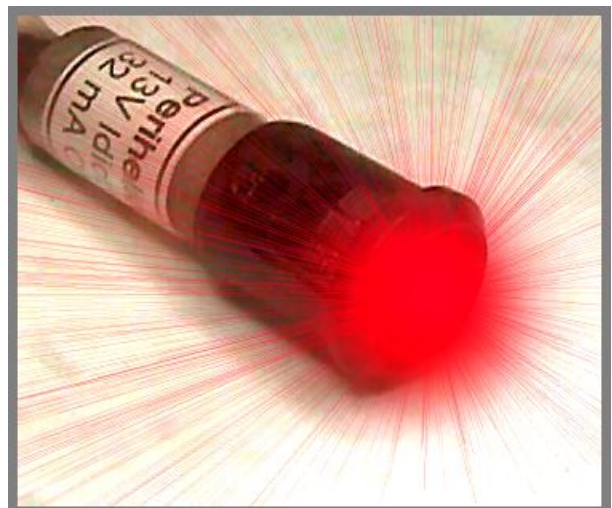
LOW VOLTAGE WARNING INDICATOR
P/N 33-2013

\$156.95 + Shipping

Price at Perihelion Design

LOW VOLTAGE WARNING
INDICATOR

\$49.95

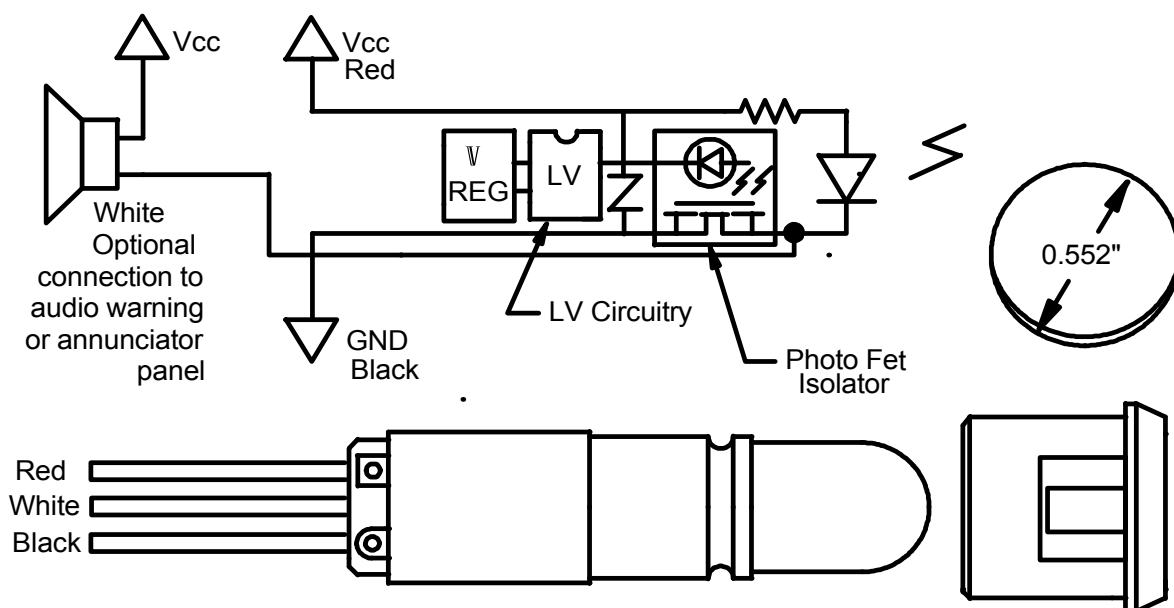


Description Installation and Notes:

We suggest mounting the Low Voltage Warning Indicator up as high as possible in the line of sight. It should also be within the instrument scan, preferably within 30 degrees of the pilot's forward view.

Decide how to connect the device. As supplied (Simple Connection), there is a red (+) and black (—) lead. Mark and drill a 14 mm (0.552") hole in the panel. Insert the black collar from the front. The electronic module snaps in from the rear. A drop of RTV adhesive would be a good idea.

Explanation of Operation: This Low Voltage Warning Indicator uses a 10 mm blinking LED for maximum visibility, a regulator, a precision low voltage monitor IC and a photo-FET relay. It also has an 18V Zener transient voltage protector, and several more resistors and a filter capacitor.



NOTE: For builders who want a steady, non-blinking LED, we have a steady LED version (please specify). The white wire can connect to either an audio warning or a light in the annunciator panel. If the white wire is not used, it can be left unconnected or clipped off short.

Please inquire regarding special modifications, or technical assistance.
Thanks for buying my product.

Eric M. Jones

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