

# VOLTWATCH™

## 12V FIELD POWER

## 12V Field Box Battery Monitor

The Hobbico® VoltWatch™ 12V Field Box Battery Monitor operates on 12V DC input power. Connect the red, positive (+) lead on the VoltWatch to the positive (+) terminal on a 12V field battery. Connect the black, negative (-) lead on the VoltWatch to the negative (-) terminal on the field battery.

Make certain a very solid physical connection is made with each contact. For a more solid physical and electrical connection to the 12V field battery, solder the VoltWatch's input leads directly to the terminals on the field battery. This can be done as follows:

1. Strip back approximately 1/4" [6mm] of insulation from the end of the cut wire.
2. Tin the bare wire with 60/40 rosin core solder.
3. Solder the wire to the appropriate terminal. Do not allow the soldering iron to apply heat to the battery terminal for an extended length of time.
4. Repeat the above steps for the other input wire on the VoltWatch, connecting it to the opposite battery terminal.

### MOUNTING VOLTWATCH TO A FIELD BOX

Mount the VoltWatch and switch to the outside of the field box with double-sided tape (included). Pay special attention to mount the unit so that the 10" input power lead can reach the battery.

### OPERATING THE VOLTWATCH

The VoltWatch 12V Field Box Battery Monitor only operates when the attached button is pushed and held. This prevents the LEDs from being on constantly and needlessly drawing from the field battery. To operate, press the button and read the field box battery voltage.

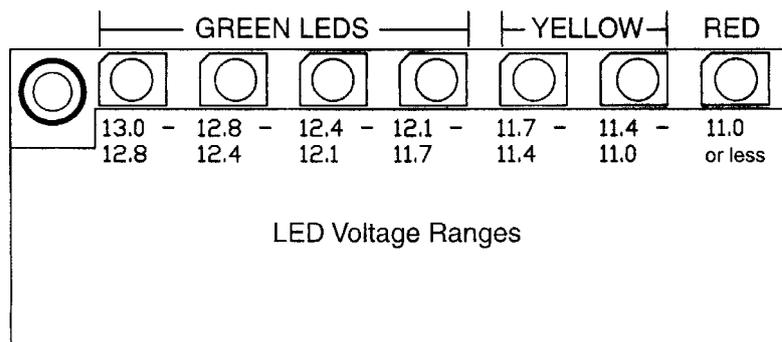
### TROUBLESHOOTING

Please refer to the following tips in the event that VoltWatch is not working properly.

Symptom: No LEDs are lit when the button is pushed.

Causes/Cures:

1. Recheck the input connector to make sure a solid connection exists to the 12V DC input power.
2. Battery is not charged, minimum battery voltage of 3V is needed to operate the VoltWatch.
3. Recharge battery, then retest.



For service on your Hobbico product, either in or out of warranty, send it post paid and insured to:

**Hobby Services**  
3002 N. Apollo Drive, Suite 1  
Champaign, IL 61822  
(217) 398-0007  
E-mail: [hobbyservices@hobbico.com](mailto:hobbyservices@hobbico.com)  
Internet Address: [www.hobbico.com](http://www.hobbico.com)