

## Technical Note

### PROsine

512-0012-01-01 Rev 1

# Setting the Low Battery Alarm on the PROsine

## Overview

The Low Battery alarm is factory set to sound when the PROsine senses 11.5 VDC at the PROsine DC input terminals. If the battery to inverter DC cable is thinner than recommended for the length of cable, the alarm can sound prematurely during normal use such as, when multiple ac appliances are turned on (>1000 W total power). The PROsine low battery alarm trigger voltage can be set to a lower setting to delay the alarm sound by using the Advanced Control System panel (ACS) in “installer mode.”

### To set the low battery alarm to a lower setting:

1. Locate the PROsine display panel. On Beaver models it is usually mounted in the overhead compartment above the entrance door to the Motor Coach.
2. Remove the PROsine standard remote display panel by removing the four mounting screws.
3. Disconnect the Standard display panel by unplugging the phone jack at the back of the panel.
4. Plug the phone jack into the Advanced Control System (ACS) panel’s phone jack nearest the corner. This port should be labeled “To PROsine.”
5. Press the Escape button two times until the display reads:

**PROSINE -**

**BAT: 14.0V +4.0A**

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### Note :

Actual voltage and amp numbers may be different. This is normal—please continue to next step.

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6. Press the down arrow button three times until the display reads:

**SELECT FROM:**

**INVERTER**

7. Press the Enter button once, then press the down arrow button two times until the display reads:

**DC INPUT RANGE :**

**LO ALARM : 11.5V**

8. Press the Escape and down arrow buttons simultaneously and hold down for about eight seconds until you hear a faint “beep,” then release.
9. Press the Enter button once. You are now in installer mode.

10. Press the down arrow button about six times to change the voltage display from 11.5 V, 11.4 V, 11.3 V down to 10.5 V. You may press the down or up arrow buttons to achieve the specific voltage setting desired in the range 10.0–11.5 V.
11. Press the Enter button once.
12. Press the Escape button two times to return to the main menu display as in step 5 above.
13. You can check the setting by repeating steps 6 and 7 above to ensure the PROsine is indeed set to “LOW ALARM : 10.5V” (or your selected voltage). If the setting is correct press escape to get back to main menu display.
14. Disconnect the phone jack from the ACS and plug it into the standard remote panel. Reinstall the remote panel into its mounting location using the four mounting screws.

Your PROsine’s internal computer is now programmed to sound the low battery alarm when the PROsine DC terminal voltage drops to 10.5 V (or your chosen setting). The 10.5 V setting will allow larger or more appliances to be used simultaneously before the low battery alarm sounds. The best solution would be to replace the DC cable with a thicker cable allowing a higher voltage to reach the PROsine when under load.

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