

## Panel Backlight System

PN: 8383

### Features

- Easily installed in Blue Sea Systems' power distribution panels
- Unique 13 position design that can be shortened for 10, 8, 5, and 3 position panels
- Connects to 12 or 24 Volt DC source via two 12" 18 AWG wire leads.

### Specifications

Current Draw: 5mA / LED  
Power Supply: 12/24V DC

### Guarantee

Any Blue Sea Systems' product with which a customer is not satisfied may be returned for a refund or replacement at any time.

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## Installation

### 1. Installation of backlight board

The backlight board is mounted between the 2 black bus support blocks on the back of the panel as shown.

The backlight board can be easily shortened to fit all Blue Sea Systems backlightable panels. For panels with 10-1/4" buses no shortening of the board is necessary.

For 8" buses, snap off section E furthest from the wire leads.

For 6-1/2" buses, snap off section D and E.

For 4-1/4" buses snap off section C, D, and E.

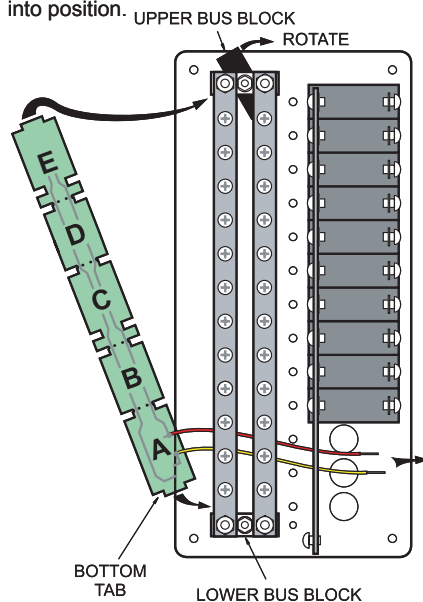
For 2-3/4" buses snap off section B, C, D, and E. It may be necessary to lightly sand the end to remove any rough edges.

Loosen the single screw retaining the lower bus block exactly 1 turn. Then loosen the upper screw 2 turns.

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## Installation (continued)

With the green LED's facing the panel, insert the bottom tab nearest the wire leads into the slot and rotate the lower block back into position.



Lightly tighten both bus screws.

### 2. Electrical Connection

#### For DC Panels

Connect the yellow negative wire to the panel negative bus.

To activate the label lights by the boat's battery switch, connect the red positive wire to the DC panel positive bus.

To activate the label lights by an independent switch or breaker, connect the red positive wire to the load side of the switch or breaker.

#### For AC Panels

The backlight board is a DC device. When installing it in an AC panel both wire leads must be connected to an appropriate DC source and ground.

Connect the yellow negative wire to a DC ground. Connect the red positive wire to any DC positive supply, usually a switch that controls the vessel's other nighttime illumination.