**Connector Pin Assignment**

### Connector Pin Assignment Table

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<th>8 Pin Connector*</th>
<th>Function</th>
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<td>Required Connection</td>
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<tr>
<td>2</td>
<td>DC Negative</td>
</tr>
<tr>
<td>3</td>
<td>DC Positive</td>
</tr>
<tr>
<td>4</td>
<td>DC +</td>
</tr>
<tr>
<td>5</td>
<td>AC 1 Current Transformer –</td>
</tr>
<tr>
<td>6</td>
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<td>7</td>
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<tr>
<td>USB</td>
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</table>

*The 8 pin low voltage connector supports wire sizes from 16-26 AWG.

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**System Overview**

### 1836 AC Ammeter Connections

**To loads**

- AC 1 H
- AC 2 H

**From source**

- AC1 H

**1836 AC Ammeter Connections**

- **To loads**
  - AC 1 H
  - AC 2 H
- **From source**
  - AC1 H

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**Screen Menu Functions**

Press any button to bring up the menu.

1. After start-up, press any button to access the menu.
2. Press the UP or DOWN arrow buttons to scroll through menu windows.
3. To set alarms and for more detailed information, see the online manual at www.bluesea.com/products/1836

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**WARNING**

- If you are not knowledgeable about electrical systems, have an electrical professional install this unit. The diagrams in these instructions pertain to the installation of the unit and not to the overall wiring of the vessel.
- Verify that all AC sources are disconnected before connecting or disconnecting the Current Transformer (CT). Failure to do so will generate lethal voltages on the CT.
- If an inverter is installed on the vessel, its power leads must be disconnected at the battery before the unit is installed. Many inverters have a “sleep mode” in which their voltage potential may not be detectable with measuring equipment.
- If an AC generator is installed on the vessel, it must be stopped and rendered inoperable before the unit is installed.
- Verify that no other DC or AC sources are connected to the vessel’s wiring before installing the unit.
- If the unit must be removed, connect the CT leads together before restoring power to the AC system.

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**CAUTION**

- The back of the unit is not waterproof. Do not install where the back of the monitor is exposed to water.

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**Warranty**

The M2 OLED Digital Meters come with a 5 year manufacturer’s warranty. This means the meter is warranted to be free from defects in materials or workmanship for 5 years from the date of first purchase. The warranty is limited solely to the cost of repair or replacement of the M2 Meter product. Costs associated with labor or shipping of the defective parts are not covered.

Blue Sea Systems cannot accept liability for damage due to the misuse of the M2 Meter.

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**Components Included**

- M2 Head Unit
- Surface Mount Bezel and Seal
- Surface Mount Gasket
- Flat Mount Bezel
- Flat Mount Clamp
- Mounting Ring
- Mounting Nut
- AC Current Transformer 8256 (1X)
- Connector
- Screwdriver (retail package only)

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**For the online manual that includes other configurations, go to**

www.bluesea.com/products/1836
Mounting Options

Flat Mount

Surface Mount

360 Panel Mount PN 1525 (If retrofit to existing panel)

STEP 1
Use 1/4" mounting screws

STEP 2
Snap header and footer into mounting clips and post. Snap the mounting bezel into place with the flat edge up.

STEP 3
Snap header and footer into mounting clips and post.

Flat Mount

Surface Mount

NOTE: During installation use cover to align the bezel and gasket

Mounting Templates

Flat Mount

Surface Mount

3.40" (86.5mm)

3.46" (87.9mm)

3.00" (76.2mm)

3.40" (86.5mm)

Ø2.125" (54mm)

3.46" (87.9mm)

3.34" (84.8mm)

3.34" (84.8mm)