## Connector Pin Assignment System Overview

### Components Included

- M2 Head Unit
- Surface Mount Bezel and Seal
- Surface Mount Gasket
- Mounting Nut
- Mounting Ring
- Flat Mount Bezel
- Flat Mount Clamp
- AC Current Transformer (R256, 1X)
- Optional Transformer
- 360 Panel Mounting Kit

### 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. Press the NEXT button to scroll right.
4. To set alarms and for more detailed information, see the online manual at [www.bluesea.com/products/1838](http://www.bluesea.com/products/1838)

### 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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### Connector Pin Assignment Table

#### 4 Pin Connector* Function

- **1**: AC Voltage 1 - HOT
- **2**: AC Voltage 1 - NEUTRAL
- **3**: AC Voltage 2 - NEUTRAL
- **4**: AC Voltage 2 - HOT

#### 8 Pin Connector** Function

- **1**: Required Connection
- **2**: Required Connection
- **3**: Required Connection
- **4**: Relay DC Out to Load
- **5**: AC 1 Current Transformer –
- **6**: AC 1 Current Transformer +
- **7**: AC 2 Current Transformer –
- **8**: AC 2 Current Transformer +

**Note:** The 4 pin high voltage connector supports wire sizes from 12-24 AWG. The 8 pin low voltage connector supports wire sizes from 16-26 AWG.

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### 1838 AC Multimeter Connections

#### System Overview

**To loads**

- **AC1 H**
- **AC2 H**
- **AC1 N**
- **AC2 N**

**From Supply**

- **AC1 H**
- **AC2 H**

**1838 AC Multimeter**

**Components Included**

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- Mounting Ring
- Flat Mount Bezel
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**Note:** The 1838 comes with the 120/240 AC screen disabled. This display can be enabled by pressing:

- **Menu**
- **>**
- **Setup**
- **>**
- **120/240 Setup**
- **Enable**

For the online manual that includes other configurations, go to [www.bluesea.com/products/1838](http://www.bluesea.com/products/1838)
Mounting Options

Flat 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

Mounting Templates

Flat Mount

Surface Mount

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