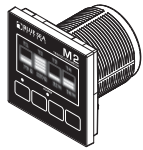


# M2 OLED Digital Monitor

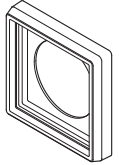
## QuickStart Installation Guide

### 1839 Tank Monitor

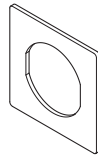
#### Components Included



M2 Head Unit



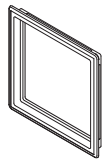
Surface Mount Bezel and Seal



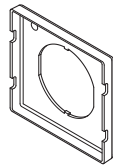
Surface Mount Gasket



Surface Mount Cover



Flat Mount Bezel



Flat Mount Clamp



Mounting Ring



Mounting Nut

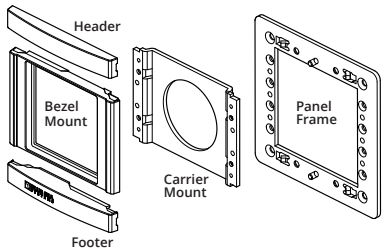


Connector



Screwdriver (retail package only)

#### 360 Panel Mounting Kit PN 1525 sold separately



#6-32 x 1/4" Flat Head Machine Screws (4X)

#6-32 x 3/8" Flat Head Machine Screws (4X)

[blueseasystems.com/products/1839](http://blueseasystems.com/products/1839)

## Connector Pin Assignment

### Connector Pin Assignment Table

USB	Micro USB Port
8 Pin Connector*	Function
1 Required Connection	DC Negative
2 Required Connection	DC Supply
3	Relay Output
4	Relay Supply
5	Tank 1
6	Tank 2
7	Tank 3
8	Tank 4

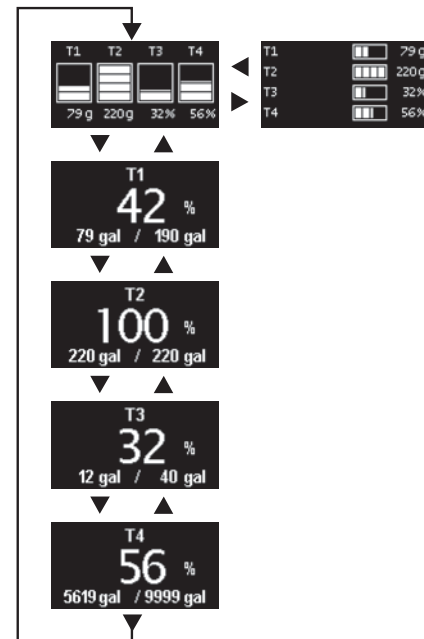
\*The 8 pin low voltage connector supports wire sizes from 16-26 AWG

## M2 Meter Navigation

### Screen Menu Functions

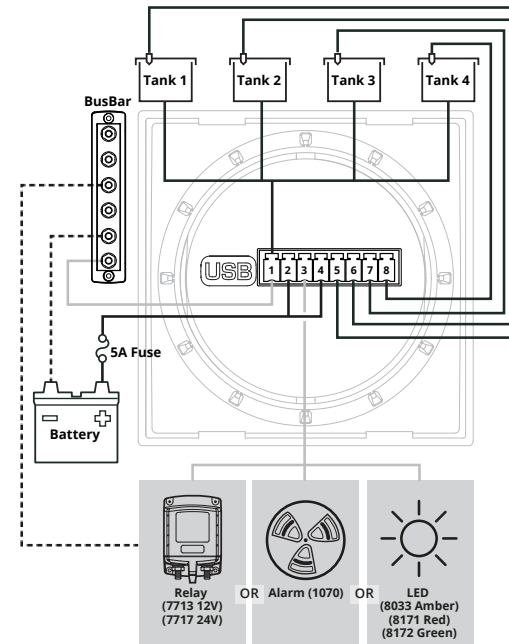
Press any button to bring up the menu.

- After start-up, press any button to access the menu.
- Press the UP or DOWN arrow buttons to scroll through menu windows.
- To set alarms and for more detailed information, see the online manual at [blueseasystems.com/products/1839](http://blueseasystems.com/products/1839)



## System Overview

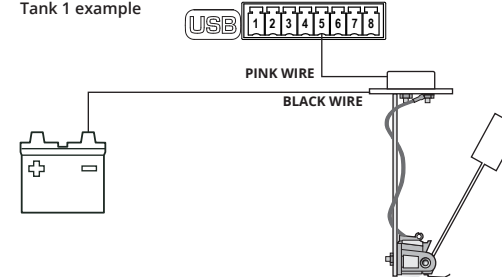
### 1839 Tank Monitor Connections



For the online manual that includes other configurations, go to [blueseasystems.com/products/1839](http://blueseasystems.com/products/1839)

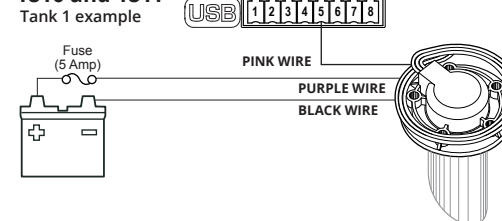
### Resistive 2 Wire Sender

Tank 1 example



### Ultrasonic 3 Wire Sender 1810 and 1811

Tank 1 example



## Installation Steps

- Choose meter mounting style and location.
- Prepare mounting hole using cutout templates.
- Install tank senders per manufacture instructions.
- Using connections diagram and connector pin assignment table, make all connections to the meter connector. Do not put fuses into fuse holders at this time.
- Plug wired terminal block into the meter.
- Saving the DC Supply fuse for last, install all fuses into the fuse holders.

## Basic Meter Setup

- Have information ready for each Tank.
  - Tank Number
  - Tank Capacity
  - Sender Type
  - Tank Depth
- Navigate to Tank Setup by going **Menu > Setup > Tank 1 Setup**.
- Enter information for Tank 1.
  - Volume
  - Sender Type
  - Depth (1810/1811 only)
  - Tank Shape (Rectangular, Triangular, or other)
- Repeat Step 3 for Tank 2, 3, and 4 if used.
- For irregular shape tanks, see calibration instructions on page 11 of the full Instructions at [blueseasystems.com/products/1839](http://blueseasystems.com/products/1839)

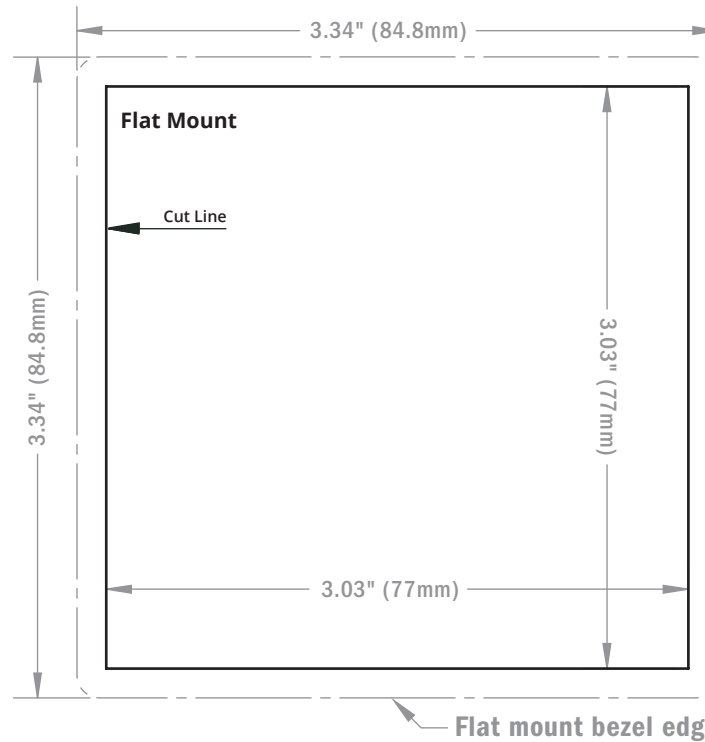
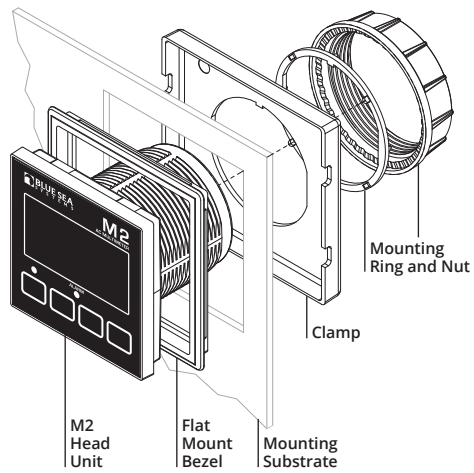


Click here for more information at [blueseasystems.com/products/1839](http://blueseasystems.com/products/1839)

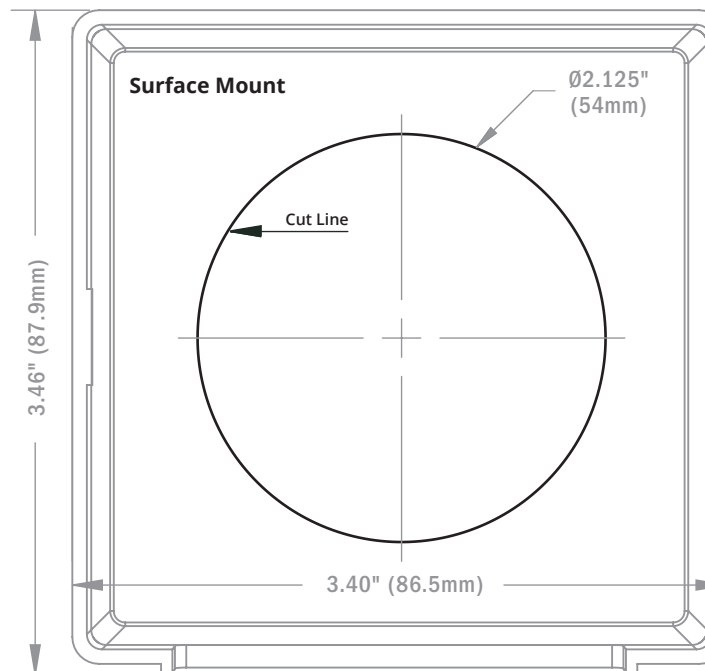
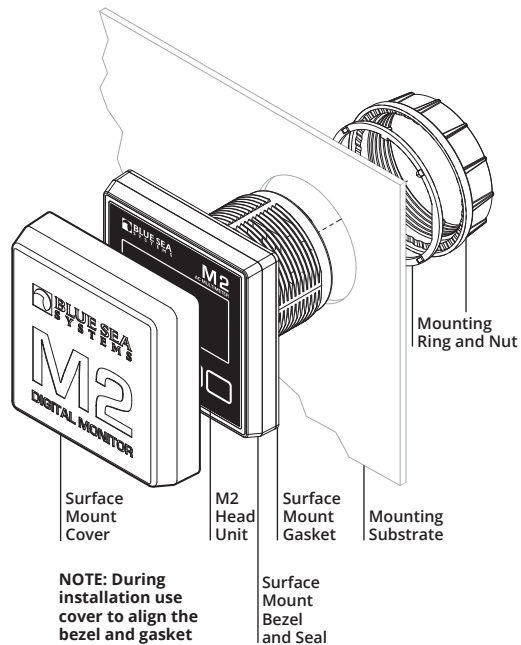
# Mounting Options

# Mounting Templates

## Flat Mount



## Surface Mount



### **⚠ WARNING**

The WARNING symbol refers to possible injury to the user or significant damage to the monitor if the user does not follow the procedures.

### **⚠ CAUTION**

The CAUTION symbol refers to restrictions and rules with regard to preventing damage.

### **⚠ 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 no other DC or AC sources are connected to the vessel's wiring before installing the unit.

### **⚠ CAUTION ⚠**

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

## 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.