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› Blue Sea Systems Mini OLED Temperature Monitor User Manual

Blue Sea Systems 1741

Blue Sea Systems Mini OLED Temperature Monitor

MODEL: 1741

User Manual

Product Overview

The Blue Sea Systems Mini OLED Temperature Monitor (Model 1741) is a compact, digital temperature gauge designed for marine, RV, and other demanding environments. It features a bright OLED display for clear temperature readings and is built with reverse polarity protection for enhanced durability. This monitor provides accurate temperature measurements, making it an essential tool for monitoring environmental conditions.



Figure 1: Blue Sea Systems Mini OLED Temperature Monitor (Model 1741) displaying 75.8°F.

Key features include:

- Digital OLED display for clear visibility.
- Reverse polarity protected circuitry.
- Compact design suitable for various installations.
- Designed for outdoor usage, with waterproof features.

Installation and Setup

Before installation, ensure the power source is disconnected to prevent electrical shock or damage to the unit. The Mini OLED Temperature Monitor is designed for panel mounting.

Mounting Instructions:

1. Select a suitable mounting location on your panel. Ensure there is sufficient clearance behind the panel for wiring and the temperature probe.
2. Drill a mounting hole with a diameter of 1.125 inches (29mm). Refer to the dimension diagram for precise measurements.
3. Insert the Mini OLED Temperature Monitor into the drilled hole from the front of the panel.

- Secure the unit using the provided retaining nut on the back of the panel. Tighten firmly but do not overtighten.

Wiring Instructions:

- Connect the positive (+) wire from your DC power supply to the positive terminal on the monitor.
- Connect the negative (-) wire from your DC power supply to the negative terminal on the monitor.
- Connect the temperature probe to the designated input on the back of the unit. Ensure the probe is positioned in the area where temperature measurement is desired (e.g., water tank, cabin).
- The unit is reverse polarity protected, but always double-check connections before applying power.

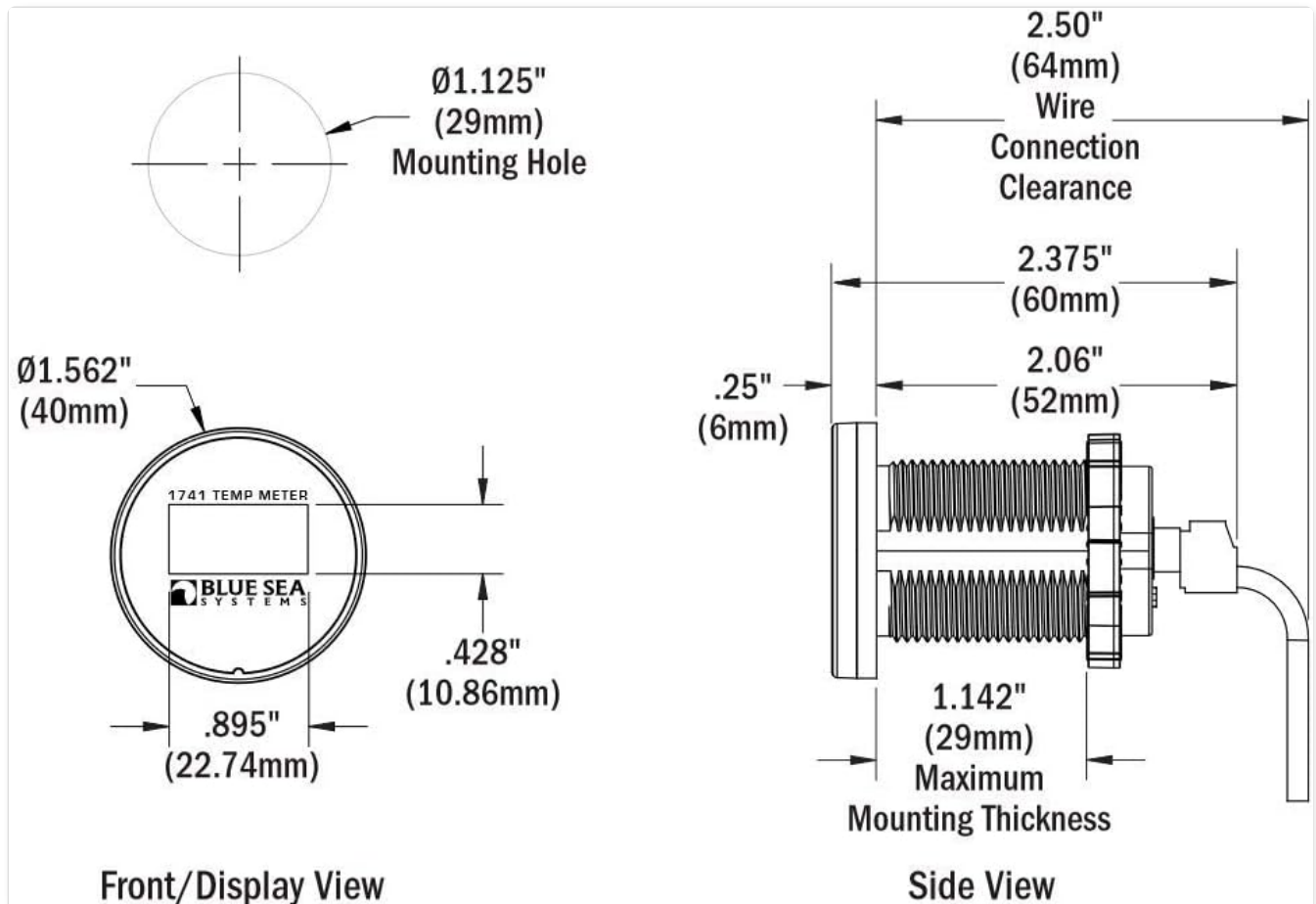


Figure 2: Mounting and dimension details for the Mini OLED Temperature Monitor.

Operating Instructions

Once properly installed and powered, the Mini OLED Temperature Monitor will automatically display the temperature detected by its probe. The display shows the temperature in degrees Fahrenheit or Celsius, with a resolution of 1°F or 1°C.

- Power On:** The unit powers on automatically when connected to a 12V DC power source.
- Reading Display:** The large, clear OLED display shows the current temperature.
- Temperature Range:** The monitor is designed to measure temperatures up to 125°C (257°F).

No user interaction is typically required for basic temperature monitoring. The unit is designed for continuous operation.

Maintenance

The Blue Sea Systems Mini OLED Temperature Monitor requires minimal maintenance to ensure long-term performance.

- **Cleaning:** Gently wipe the display and housing with a soft, damp cloth. Avoid abrasive cleaners or solvents.
- **Environmental Protection:** As per product care instructions, keep the unit dry and protected from extreme temperatures. While designed for outdoor use and waterproof, prolonged exposure to harsh conditions beyond its rating may affect performance.
- **Connections:** Periodically check all wiring connections to ensure they remain secure and free from corrosion.

Troubleshooting

Problem	Possible Cause	Solution
Display is dim or unreadable in bright sunlight.	OLED display characteristics; direct sunlight can reduce visibility.	Relocate the unit to a shaded area if possible, or consider adding a sunshade. This is a known characteristic of OLED displays in direct, intense sunlight.
No display or unit does not power on.	No power, incorrect wiring, or blown fuse.	Check power connections to ensure they are secure and receiving 12V DC. Verify wiring polarity (though unit is reverse polarity protected, incorrect wiring can still prevent operation). Check any inline fuses in the power circuit.
Incorrect or static temperature reading.	Faulty temperature probe or connection, or unit malfunction.	Ensure the temperature probe is securely connected and not damaged. Verify the probe is correctly positioned to measure the desired temperature. If the issue persists, the probe or unit may require replacement.

Specifications

Attribute	Detail
Brand	BLUE SEA SYSTEMS
Model Name	MINI METER OLED TEMP
Part Number	1741
Display Type	Digital (OLED)
Color	Yellow
Power Source	DC Power Supply
Connectivity Technology	Wired
Special Feature	Waterproof, Reverse Polarity Protected
Resolution	1°F or 1°C
Upper Temperature Rating	125 Degrees Celsius
Indoor/Outdoor Usage	Outdoor

Attribute	Detail
Material	Plastic
Item Weight	0.2 Pounds (approx. 0.09 kg)
Item Dimensions (LxWxH)	5 x 3 x 5 inches (approx. 12.7 x 7.6 x 12.7 cm)
UPC	632085017415

Warranty Information

The Blue Sea Systems Mini OLED Temperature Monitor comes with a LIMITED WARRANTY. For specific details regarding the terms, conditions, and duration of your warranty, please refer to the warranty documentation included with your product packaging or visit the official Blue Sea Systems website.

Customer Support

For further assistance, technical support, or to inquire about replacement parts, please visit the official Blue Sea Systems website or contact their customer service department. You can often find FAQs, additional resources, and contact information on their support pages.

Note: Always refer to the latest information available on the manufacturer's official website for the most up-to-date support and product details.