

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

› [Briidea](#) /

› [Briidea RV Fresh Water Tank Level Sensor Panel HRWL-01US Instruction Manual](#)

Briidea HRWL-01US

Briidea RV Fresh Water Tank Level Sensor Panel HRWL-01US

Model: HRWL-01US | Brand: Briidea

INTRODUCTION

The Briidea precise monitoring system is specifically designed to monitor the water level in the fresh water tank of a mobile home. This system allows you to refill the tank in a timely manner, preventing situations where the tank runs empty. The kit includes all necessary components, eliminating the need to purchase additional sensing electrodes and saving both time and money.

SAFETY INFORMATION

- Always disconnect power before installation or maintenance.
- Ensure proper wiring connections to avoid electrical hazards. Refer to the wiring diagram.
- Do not expose the unit to extreme temperatures or direct water immersion.
- This device is intended for fresh water tanks only. Do not use with other liquids.
- Keep out of reach of children.

PACKAGE CONTENTS

The Briidea RV Fresh Water Tank Level Sensor Panel package typically includes:

- RV Water Tank Level Display Panel with LED Indicator
- Non-contact Water Level Sensor
- Connecting Wires
- Mounting Screws

SPECIFICATIONS

Brand	Briidea
Model	HRWL-01US
Power Input	DC 7-32V

Detection Method	Non-contact
Max Detection Depth	13 feet (approximately 3.96 meters)
Display Type	LED Indicator Lights
Product Dimensions	7.62 x 2.54 x 2.54 cm (approximate)
Item Weight	159 grams

SETUP AND INSTALLATION

1. Sensor Placement (Contactless Detection)

The Briidea system utilizes a non-contact detection method, ensuring the cleanliness and hygiene of your fresh water by avoiding direct contact between the sensor and the water. For optimal performance, the sensor must be installed in the middle of the water tank.

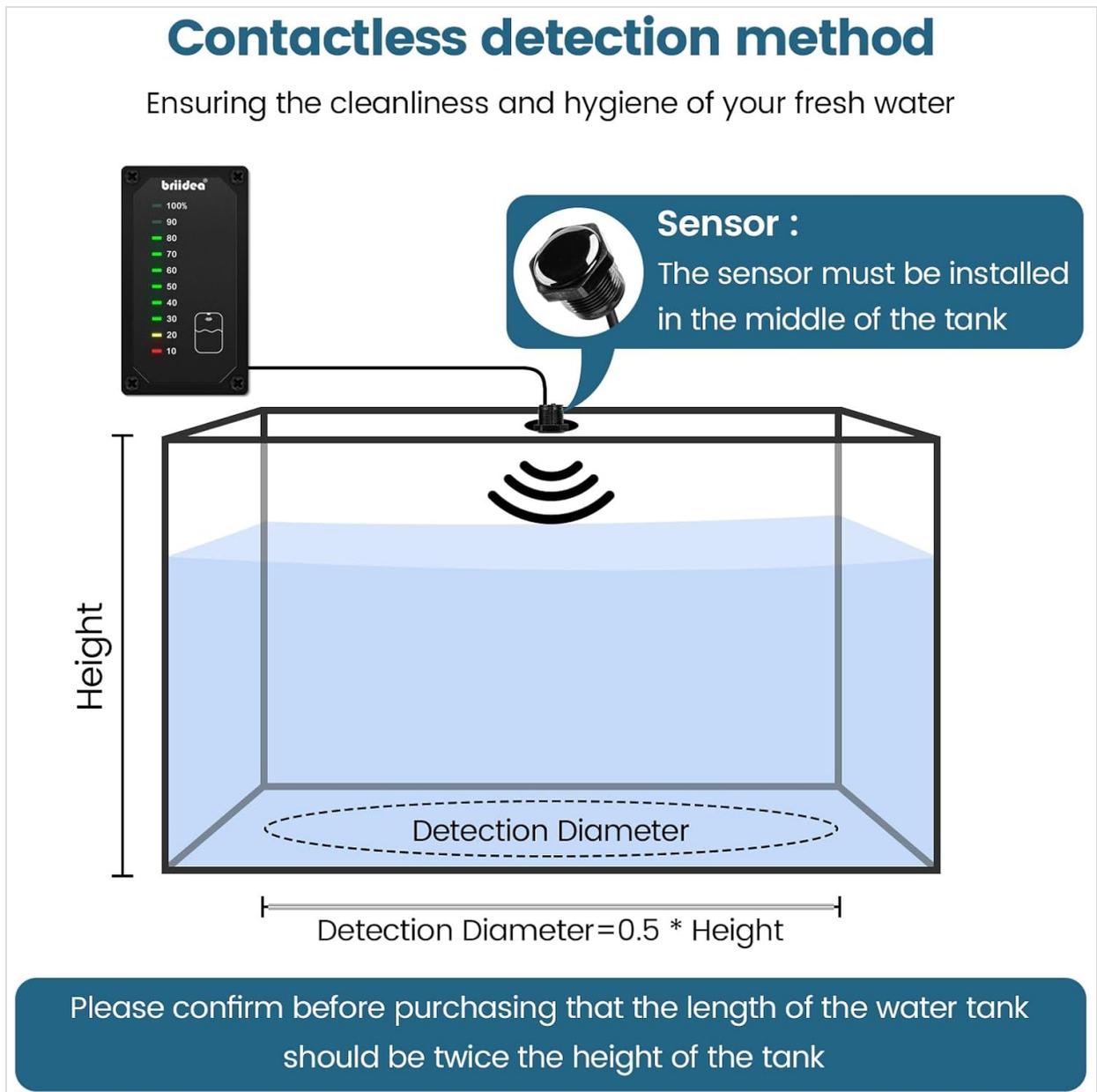


Image: Contactless detection method. The sensor should be installed in the middle of the tank. The detection diameter is approximately 0.5 times the tank height.

2. Tank Compatibility Reminder

Before purchasing and installing, please ensure your water tank meets the following requirements for accurate readings:

- The sensor should be installed in the middle of the water tank.
- The length of the water tank should be approximately twice its height.

3. Simple Wiring

Connect the sensor panel to your DC 7-32V power source (e.g., RV battery) and the water tank sensor as shown in the diagram. Ensure all connections are secure and correctly polarized.

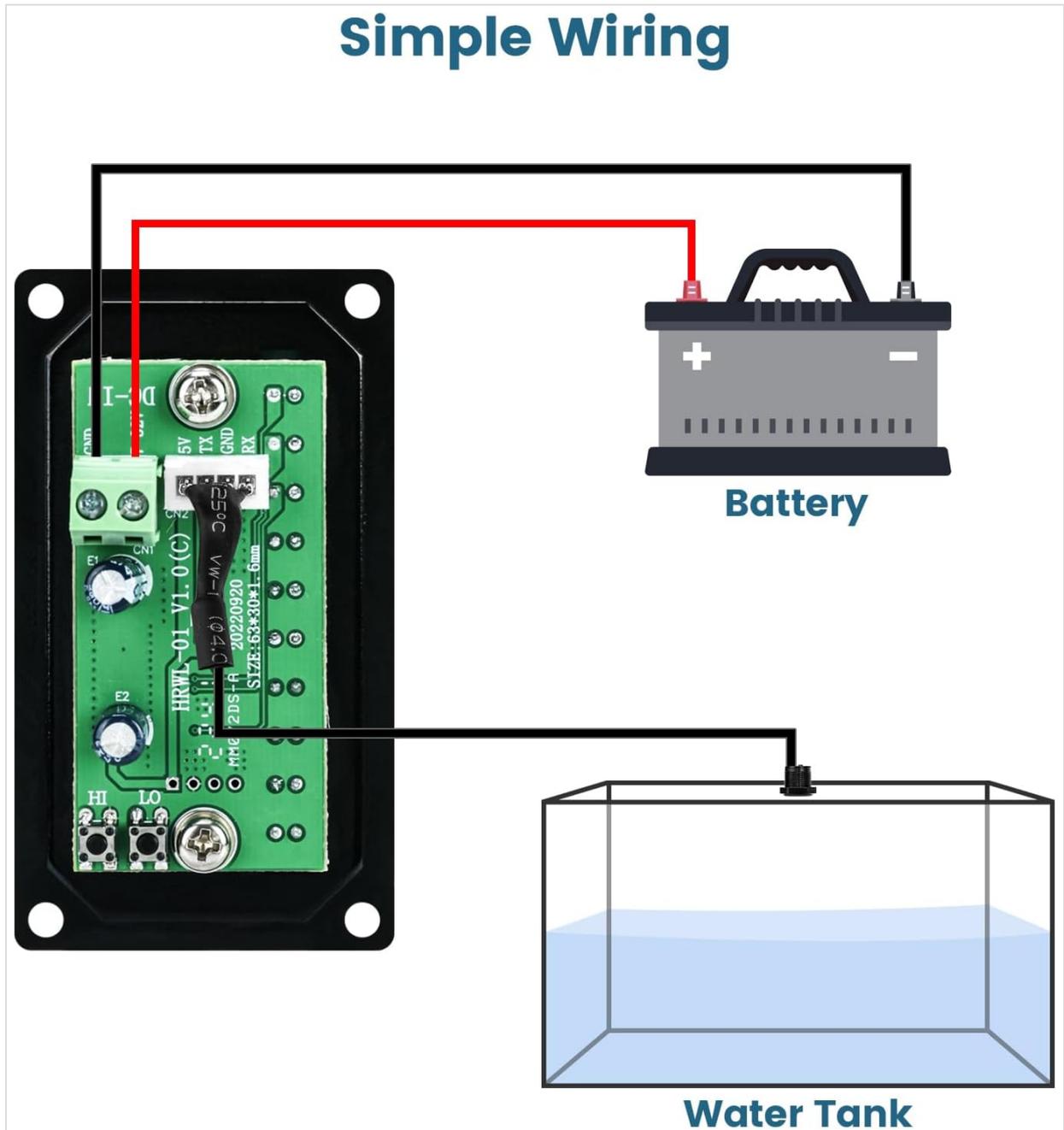


Image: Simple wiring diagram for the sensor panel, battery, and water tank sensor.

4. Mounting the Display Panel

Choose a convenient and visible location inside your RV or boat for the display panel. Use the provided mounting screws to secure the panel. Ensure there is enough space behind the panel for wiring connections.

OPERATING INSTRUCTIONS

1. LED Indicator Lights

The display panel features multi-colored LED indicator lights that provide an instant, at-a-glance overview of the current water level in your tank. This eliminates the need for manual daily checks by opening the tank.



Image: LED indicator lights on the Briidea sensor panel, providing a visual representation of water levels.

2. Power-Off Memory Function

The device includes a power-off memory function. In the event of a power interruption or malfunction, there is no need to reconfigure the settings, making it more convenient for continuous use.

MAINTENANCE

- **Cleaning:** Wipe the display panel with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Sensor Inspection:** Periodically check the external sensor for any physical damage or loose connections.
- **Wiring Check:** Ensure all wiring remains secure and free from corrosion.
- **Tank Condition:** Maintain the cleanliness of your fresh water tank to prevent buildup that might affect sensor performance over time.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Incorrect water level reading (e.g., flashing red when tank is half full)	<ul style="list-style-type: none">• Improper sensor placement.• Tank dimensions not suitable for detection method.• Loose or faulty wiring.	<ul style="list-style-type: none">• Verify sensor is installed in the middle of the tank.• Confirm tank length is approximately twice its height.• Check all wiring connections for security and proper polarity.
No display/power	<ul style="list-style-type: none">• No power supply.• Incorrect wiring.• Faulty unit.	<ul style="list-style-type: none">• Check DC 7-32V power source.• Review wiring diagram and ensure correct connections.• Contact customer support if problem persists.
Inconsistent readings	<ul style="list-style-type: none">• Sensor interference.• Tank movement.	<ul style="list-style-type: none">• Ensure no obstructions near the sensor.• Minimize tank movement during readings.

WIDE APPLICATIONS

The RV water level gauge is powered by a DC 7-32V power source, making it suitable for various off-grid applications. It is specifically designed for detecting water levels in fresh water tanks across a range of recreational vehicles and marine craft.

- Recreational Vehicles (RVs)
- Campers
- Boats
- Large Caravans



Wide Applications

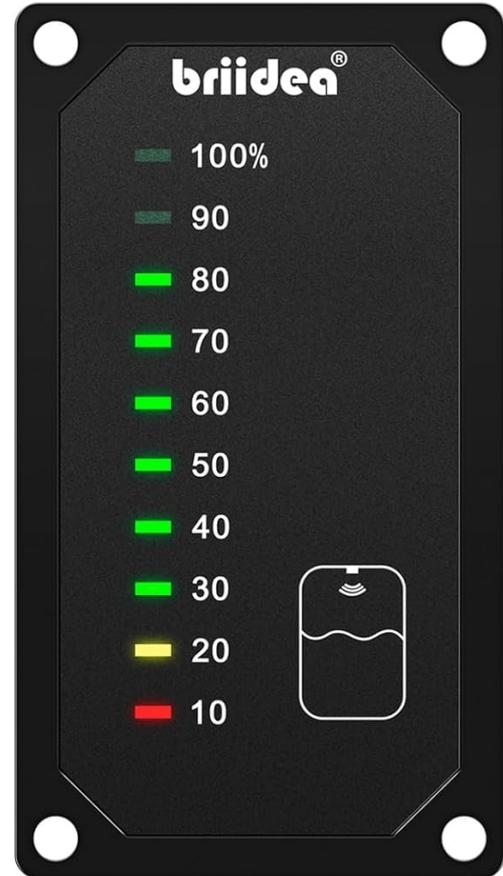


Image: Examples of wide applications for the Briidea water level sensor panel, including RVs, campers, and boats.

WARRANTY INFORMATION

This product comes with a standard manufacturer's warranty. Please refer to the product packaging or contact the retailer for specific warranty terms and conditions. Keep your proof of purchase for warranty claims.

SUPPORT

For technical assistance, troubleshooting, or any questions regarding your Briidea RV Fresh Water Tank Level Sensor Panel, please contact Briidea customer support through their official website or the retailer where the product was purchased. Have your model number (HRWL-01US) and purchase details ready when contacting support.