

## Jauarta Jauarta914n0egois

# Jauarta Coolant Level Sensor User Manual

Model: Jauarta914n0egois

## 1. PRODUCT OVERVIEW

The Jauarta Coolant Level Sensor is designed to detect low liquid levels in various applications, primarily for coolant systems. It operates as a normally open (NO) switch, activating an alarm or control device when the liquid level drops below the sensor's probe position. This sensor is suitable for non-corrosive liquids with electrical resistivity similar to water.



Figure 1: Overview of the Jauarta Coolant Level Sensor.

## 2. SPECIFICATIONS

Feature	Description
Installation Thread	1/2NPT
Working Mode	NO (Normally Open)
Working Voltage	5-35VDC
Output Mode	Triode open collector OC
Maximum Output Current	100mA
Output End Maximum Working Voltage	35V DC
Item Weight	3.25 ounces
Product Dimensions	3.94 x 1.57 x 1.18 inches
Model Number	Jauarta914n0egois

### 3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x Coolant Level Sensor
- 6 x Accessories (e.g., connectors, seals)





Figure 2: Package contents including the sensor and accessories.

## 4. SAFETY INFORMATION

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- Always disconnect power before installation or maintenance to prevent electrical shock.
- Ensure proper wiring connections according to the specified voltage and current ratings.
- Do not use the sensor with corrosive liquids unless explicitly stated as compatible.
- Handle the sensor with care to avoid damage to the probe or electrical terminals.
- Installation should be performed by qualified personnel if you are unsure about the process.

## 5. SETUP AND INSTALLATION

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The Jauarta Coolant Level Sensor is designed for straightforward installation using its 1/2NPT thread. Follow these steps for proper setup:

1. **Prepare the Installation Point:** Identify a suitable location in your liquid reservoir or tank where the 1/2NPT thread can be securely mounted. Ensure the probe will be at the desired low-level detection point.
2. **Thread the Sensor:** Carefully thread the sensor into the prepared 1/2NPT opening. Use appropriate thread sealant (e.g., PTFE tape) to ensure a watertight seal. Do not overtighten.
3. **Connect Wiring:** The sensor features a triode open collector (OC) output. Connect the positive (+) terminal

to your 5-35VDC power supply and the negative (-) terminal to the common ground. The output (OC) terminal should be connected to your control device or alarm input. Refer to the wiring diagram of your specific control system for correct integration.

4. **Verify Connections:** Double-check all electrical connections for polarity and security before applying power.



Figure 3: Sensor showing 1/2NPT threads for installation.

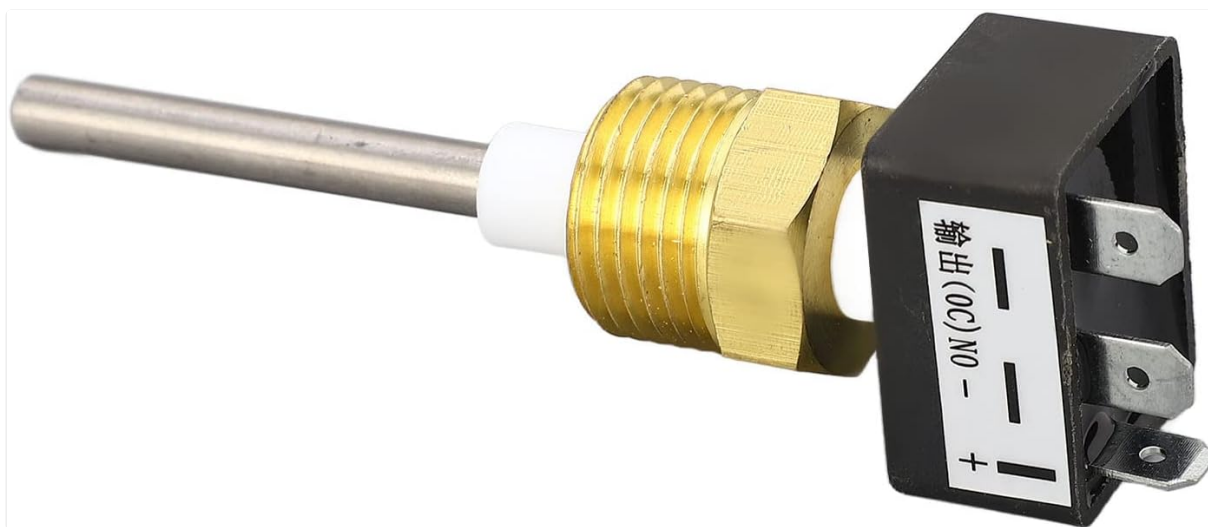


Figure 4: Electrical terminals for wiring connections.

## 6. OPERATING INSTRUCTIONS

The Jauarta Coolant Level Sensor operates as a normally open (NO) switch. This means:

- When the liquid level is **above** the sensor's probe, the switch remains open, and no signal is outputted from the OC terminal.
- When the liquid level drops **below** the sensor's probe, the switch closes, and the sensor outputs a signal (switch closure) to the connected generator control device or alarm system.

The sensor requires a working voltage between 5VDC and 35VDC. The triode open collector (OC) output can handle a maximum current of 100mA and a maximum working voltage of 35VDC at the output end. Ensure your connected device's input specifications are compatible with these output characteristics.

## 7. MAINTENANCE

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To ensure reliable operation and longevity of your Jauarta Coolant Level Sensor, consider the following maintenance guidelines:

- **Regular Inspection:** Periodically inspect the sensor for any signs of physical damage, corrosion, or buildup on the probe.
- **Cleaning:** If buildup is observed on the probe, carefully clean it using a soft cloth and a mild, non-abrasive cleaner. Ensure the system is drained and power is disconnected before cleaning.
- **Connection Check:** Verify that all electrical connections remain secure and free from corrosion.
- **Environmental Conditions:** Ensure the sensor is operating within its specified environmental conditions to prevent premature failure.

## 8. TROUBLESHOOTING

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If you encounter issues with your Jauarta Coolant Level Sensor, consider the following troubleshooting steps:

- **Sensor Not Triggering:**
  - Check if the liquid level is actually below the probe.
  - Verify power supply to the sensor (5-35VDC).
  - Inspect wiring connections for looseness or incorrect polarity.
  - Check for excessive buildup on the sensor probe that might prevent detection.
- **False Alarms/Constant Triggering:**
  - Ensure the liquid level is consistently above the probe.
  - Check for electrical interference or faulty wiring.
  - Verify the sensor is not being used with a liquid it is incompatible with, which might affect its electrical properties.
- **No Power/Indicator:**
  - Confirm the power source is active and providing the correct voltage.
  - Check all fuses or circuit breakers in the power circuit.

If problems persist after performing these checks, contact customer support for further assistance.

## 9. WARRANTY AND SUPPORT

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Jauarta products are manufactured to high-quality standards. This product comes with a standard manufacturer's warranty against defects in materials and workmanship. Please refer to the warranty card included with your purchase or visit the official Jauarta website for detailed warranty terms and conditions.

For technical support, troubleshooting assistance, or warranty claims, please contact Jauarta customer service through the retailer where the product was purchased or via the contact information provided on the official Jauarta website.