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› [Leviton 25W49 Wetguard 15-Amp 250-Volt Industrial Grade Locking Connector Instruction Manual](#)

Leviton 25W49

Leviton 25W49 Wetguard 15-Amp 250-Volt Industrial Grade Locking Connector Instruction Manual

Model: 25W49 | **Brand:** Leviton

1. PRODUCT OVERVIEW

The Leviton 25W49 Wetguard Locking Connector is an industrial-grade wiring device designed for demanding environments where electrical connections are exposed to wet or dusty conditions. This 15-Amp, 250-Volt, 2-pole, 3-wire grounding connector features an L6-15R configuration and is built to meet stringent IEC IP67 and NEMA ratings for water ingress protection.

Its robust construction ensures reliable performance in food processing, industrial, marine, chemical, and construction settings. The Wetguard line offers superior resistance to water, acids, alkalis, industrial lubricants, cleaners, and solvents, providing a durable and safe solution for your electrical needs.



Figure 1: Leviton 25W49 Wetguard 15-Amp 250-Volt Locking Connector.

2. KEY FEATURES

- **Watertight and Dust-tight:** Meets IEC IP67 and NEMA Type 4, 4X, 6, and 6P ratings for superior protection against water and dust ingress.
- **Durable Construction:** Features an EPTR rubber body and nylon interior/wire module material for impact and chemical resistance.
- **Corrosion Resistance:** Blades, contacts, terminal screws, and wiring clamps are electroless nickel-coated brass, enhancing resistance to harsh industrial environments.

- **Easy Wiring:** Deep wire wells in the wiring module facilitate easier wiring, and a clear housing aids in inspecting proper insertion and connection.
- **Secure Connection:** Patented compression nut and strain relief system ensures the integrity of both the watertight seal and the electrical connection.
- **Chemical Resistance:** Santoprene TPV husk is resistant to water, acids, alkalis, industrial lubricants, cleaners, and solvents.
- **Safety Compliance:** UL 498, CSA C22.2, and NOM 057 approved.

3. INSTALLATION AND WIRING

Proper installation and wiring are crucial for the safe and effective operation of your Wetguard locking connector. Always ensure power is disconnected before beginning any electrical work.

1. **Disassembly:** Carefully unscrew the housing components to expose the wiring module.
2. **Wire Preparation:** Strip the outer jacket of your cable and then strip the insulation from the individual conductors to the recommended length.
3. **Wiring:** Insert the prepared wires into the deep wire wells of the wiring module. The clear housing allows for visual inspection to ensure proper insertion and secure connection. Tighten the terminal screws firmly.
4. **Strain Relief:** Utilize the patented compression nut and strain relief system to secure the cable, ensuring both the watertight seal and electrical connection integrity.
5. **Reassembly:** Reassemble the housing components, ensuring all seals are properly seated to maintain the watertight rating.

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Video 1: Overview of Leviton Wetguard devices, including internal components and wiring considerations. This video demonstrates the features and benefits of the Wetguard line, highlighting the robust design and ease of installation for various devices.

4. OPERATION

To operate the locking connector, align the blades of the plug with the corresponding slots in the connector. Insert the plug fully and twist to lock it into place. To disconnect, twist in the opposite direction and pull the plug out.

For associated Wetguard inlets, outlets, and covers, ensure the spring-loaded flip lid is closed when not in use to maintain environmental protection. Some covers feature a dual hasp design for additional security and compliance with OSHA lockout/tagout requirements.

5. MAINTENANCE

The Leviton Wetguard connector is designed for minimal maintenance due to its durable and chemical-resistant materials. Regularly inspect the connector for any signs of physical damage, wear, or corrosion. The Santoprene TPV husk and electroless nickel-coated brass components are resistant to many industrial cleaners and solvents, allowing for easy cleaning to remove dirt and debris.

Ensure that all seals and gaskets are intact and properly seated to maintain the watertight and dust-tight ratings. Replace any damaged components immediately to ensure continued safety and performance.

6. TROUBLESHOOTING

If you experience issues with your Wetguard locking connector, consider the following:

- **No Power:** Check the power source and ensure the circuit breaker is not tripped. Verify that the plug and connector are fully engaged and locked.
- **Loose Connection:** Ensure all wiring connections are tight within the wiring module. The clear housing allows for visual inspection of wire seating.
- **Water Ingress:** If water or moisture is present, check all seals, gaskets, and the compression nut for proper installation and integrity. Ensure the flip lid on associated devices is closed.
- **Physical Damage:** Inspect the device for any cracks, breaks, or corrosion. Damaged devices should be replaced immediately.

For further assistance, contact Leviton customer support.

7. SPECIFICATIONS

Specification	Detail
Model Number	25W49
Amperage	15 Amps
Voltage	250 Volts AC
Configuration	L6-15R
Number of Poles	2
Number of Wires	3 (Grounding)
Material (Body)	EPTR Rubber
Material (Interior/Wire Module)	Nylon
Product Grade	Industrial
Environmental Ratings	IEC IP67, NEMA Type 4, 4X, 6, 6P
Approvals	UL 498, CSA C22.2, NOM 057
UPC	078477969571
Item Weight	0.2 Pounds

8. WARRANTY AND SUPPORT

The Leviton Wetguard 25W49 Locking Connector is backed by a **Best-in-Class Limited Lifetime Warranty**, reflecting Leviton's commitment to quality and durability.

For technical support, warranty claims, or additional product information, please visit the official Leviton website or contact their customer service department.

