

Leviton 24W49

Leviton Wetguard 15-Amp, 250-Volt Industrial Grade Locking Plug

MODEL 24W49 INSTRUCTION MANUAL

1. PRODUCT OVERVIEW

The Leviton Wetguard 15-Amp, 250-Volt Industrial Grade Locking Plug (Model 24W49) is a robust wiring device designed for demanding industrial environments. This plug features a polarized, grounding, L6-15P configuration with 3 wires, rated for 250V AC and 15 Amps. It is constructed from EPTR rubber material in a yellow color, ensuring water-tight performance and resistance to various harsh conditions. The Wetguard line meets IP67 and NEMA ratings for water ingress protection, offering superior durability and reliability.



Figure 1: Leviton Wetguard 15-Amp, 250-Volt Industrial Grade Locking Plug (Model 24W49)

2. KEY FEATURES

- **Industrial Grade Construction:** Built to withstand harsh industrial environments.
- **Watertight and Dust-tight:** Meets IP67 and NEMA ratings for protection against water and dust ingress.
- **Durable Material:** Made from EPTR rubber, resistant to water, acids, alkalis, lubricants, cleaners, and solvents.
- **Corrosion Resistance:** Blades, contacts, terminal screws, and wiring clamps are electroless nickel-coated brass.

- **Easy Wiring:** Deep wire wells in the wiring module facilitate easier wiring.
- **Visual Inspection:** Clear housing aids in inspecting for proper wire insertion and connection.
- **Secure Connection:** Patented compression nut and strain relief system ensure integrity of both the watertight seal and electrical connection.
- **Configuration:** L6-15P, 2-pole, 3-wire grounding.
- **Certifications:** UL 498, CSA C22.2, NOM 057 approved.

3. SPECIFICATIONS

Specification	Value
Model Number	24W49
Amperage	15 Amps
Voltage	250 Volts
Plug Format	Type A (L6-15P)
Number of Wires	3
Number of Poles	2
Grounding	Yes
Material	EPTR Rubber
Color	Yellow
Cord Size Compatibility	0.234 to 0.687 inches
Product Dimensions	1.44 x 1.3 x 3.54 inches
Item Weight	3.2 ounces
Certifications	UL 498, CSA C22.2, NOM 057

4. SAFETY INFORMATION

Always follow local electrical codes and regulations when installing or servicing electrical devices. Improper installation or use can result in serious injury or death. Disconnect power at the circuit breaker or fuse box before working on any electrical wiring.

- Ensure the power supply is OFF before installation or maintenance.
- Use appropriate personal protective equipment (PPE) such as safety glasses and insulated gloves.
- Verify correct wiring polarity and grounding connections.
- Do not exceed the specified voltage and amperage ratings of the device.
- Keep the device clean and free from debris to maintain its watertight integrity.
- If the device shows signs of damage, discontinue use and replace it immediately.

5. INSTALLATION

This section outlines the general steps for wiring the Leviton Wetguard Locking Plug. For detailed wiring diagrams and specific instructions, refer to the packaging or consult a qualified electrician.

1. **Prepare the Cable:** Strip the outer jacket of the cable to the appropriate length, exposing the insulated conductors. Strip the insulation from each conductor.
2. **Disassemble the Plug:** Unscrew the compression nut and separate the plug housing components.
3. **Insert Cable:** Feed the prepared cable through the compression nut and into the plug housing.
4. **Wire Connections:** Connect the conductors to the appropriate terminal screws. The clear housing allows for visual verification of proper wire insertion. Ensure all connections are tight and secure.
5. **Assemble the Plug:** Reassemble the plug housing, ensuring the internal components are correctly aligned. Tighten the compression nut to create a watertight seal and engage the strain relief system.
6. **Verify:** Double-check all connections and ensure the plug is securely assembled before restoring power.

6. OPERATION

The Leviton Wetguard Locking Plug is designed for secure and reliable electrical connections in wet or dusty environments. To operate:

1. **Connect:** Align the blades of the locking plug with the corresponding slots on a compatible locking receptacle.
2. **Twist to Lock:** Insert the plug fully and twist it clockwise until it locks into place. This action creates a secure mechanical and electrical connection, preventing accidental disconnection.
3. **Disconnect:** To disconnect, twist the plug counter-clockwise to unlock, then pull it straight out from the receptacle.

The watertight design ensures safe operation even when exposed to moisture, provided the connection is properly mated and sealed.

7. MAINTENANCE

Regular maintenance helps ensure the longevity and safe operation of your Leviton Wetguard Locking Plug.

- **Periodic Inspection:** Visually inspect the plug and cable for any signs of wear, cuts, cracks, or discoloration. Check for loose connections or corrosion on the blades.
- **Cleaning:** Clean the exterior of the plug with a damp cloth. Avoid using harsh chemicals or abrasive cleaners that could damage the rubber material. Ensure the plug is dry before use.
- **Storage:** When not in use, store the plug in a clean, dry environment to prevent damage and prolong its lifespan.
- **Seal Integrity:** Periodically check the integrity of the compression nut and strain relief system to ensure the watertight seal is maintained.

8. TROUBLESHOOTING

If you encounter issues with your Leviton Wetguard Locking Plug, consider the following common troubleshooting steps:

- **No Power:**
 - Check the power source (circuit breaker, fuse).
 - Ensure the plug is fully inserted and locked into the receptacle.

- Inspect the cable for damage.

- **Loose Connection:**

- Ensure the plug is twisted and locked securely.
- If the internal wiring feels loose, disconnect power and re-check the terminal screw connections as per installation instructions.

- **Water Ingress:**

- Verify that the compression nut is tightly secured.
- Inspect the rubber housing for any cracks or damage that could compromise the seal.

If the problem persists after attempting these steps, contact Leviton customer support or a qualified electrician.

9. RELATED PRODUCT INFORMATION (VIDEO)

The following video provides an overview of the Leviton Wetguard line of watertight wiring devices, showcasing their features and applications in various industrial environments. While the video may feature different models within the Wetguard series, the core principles of durability, watertight sealing, and robust construction apply to the 24W49 locking plug.

Your browser does not support the video tag.

Video: Overview of Leviton Wetguard Watertight Wiring Devices

10. WARRANTY AND SUPPORT

The Leviton Wetguard 15-Amp, 250-Volt Industrial Grade Locking Plug (Model 24W49) is backed by a manufacturer's warranty. For specific warranty details, terms, and conditions, please refer to the product packaging or visit the official Leviton website.

For technical assistance, product inquiries, or support, please contact Leviton Customer Service:

- **Website:** www.leviton.com
- **Customer Service:** Refer to the website for regional contact information.


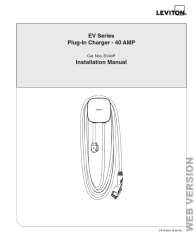
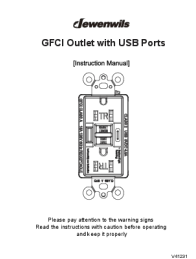

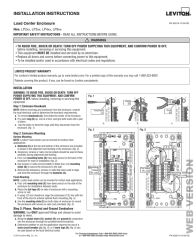
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Related Documents - 24W49



[Leviton Commercial & Industrial Grade Switches Selection Guide](#)

A comprehensive selection guide from Leviton detailing commercial and industrial grade switches, including toggle, Decora Plus, Lev-lok, antimicrobial, and specialty switch types with application details and wiring diagrams.

	<p>Leviton GFCI Receptacle Installation and Testing Guide</p> <p>A comprehensive guide on how to install and test a Leviton SmartLock Pro GFCI Receptacle, including wiring instructions, safety precautions, and troubleshooting tips.</p>
	<p>Leviton EV40P EV Series 40 AMP Plug-In Charger Installation Manual</p> <p>Installation manual for the Leviton EV40P EV Series 40 AMP Plug-In Electric Vehicle Charger. Includes safety warnings, specifications, installation steps, operating procedures, RFID card usage, error messages, maintenance, and warranty information.</p>
	<p>Leviton GFCI Outlet with USB Ports Installation and Operation Manual</p> <p>Comprehensive guide for installing and operating Leviton GFCI Outlets with USB Ports, including wiring instructions, safety warnings, testing procedures, and warranty information.</p>
	<p>Installing and Testing Leviton Smart GFCI Outlet: A Comprehensive Guide</p> <p>Step-by-step instructions for installing and testing Leviton Smart GFCI outlets (models D2GF1, D2GF2). Learn about GFCI functionality, wiring, troubleshooting, and safety precautions.</p>
	<p>Leviton Load Center Enclosure Installation Instructions</p> <p>Detailed installation instructions for Leviton Load Center Enclosures, models LP2xx, LP3xx, LP4xx, and LP6xx. Covers safety, knockout removal, mounting, wiring, branch circuit breaker installation, and cover fitting.</p>