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Leviton 2625F

Leviton 2625F Flanged Inlet Locking Receptacle User Manual

Model: 2625F | Brand: Leviton

1. Introduction

This user manual provides essential information for the safe and proper installation, operation, and maintenance of the Leviton 2625F Flanged Inlet Locking Receptacle. Please read this manual thoroughly before installation or use and retain it for future reference. This device is designed for industrial-grade applications requiring a secure, locking electrical connection.

2. Product Overview

The Leviton 2625F is a 30 Amp, 250 Volt, NEMA L6-30P flanged inlet locking receptacle. It features a 2-pole, 3-wire grounding configuration, designed for secure and reliable power connections in demanding environments. Its robust nylon body ensures durability and resistance to impact.



Figure 2.1: Front view of the Leviton 2625F Flanged Inlet, showing the L6-30P blade configuration and mounting holes.



Figure 2.2: Rear view of the Leviton 2625F Flanged Inlet, illustrating the wiring terminals for connection.

Key Features:

- **Configuration:** NEMA L6-30P, 2-Pole, 3-Wire Grounding
- **Voltage Rating:** 250V
- **Current Rating:** 30A
- **Material:** Durable Nylon body/face
- **Application:** Industrial Grade
- **Approvals:** UL 498, CSA C22.2, NOM 057, FS WC596

3. Safety Information

WARNING: Risk of electric shock or fire. Improper installation or use can lead to serious injury or death. Always follow local electrical codes and regulations. If you are unsure about any part of these instructions, consult a qualified electrician.

- Always disconnect power at the circuit breaker or fuse box before installing or servicing this device.
- Use only with copper conductors.
- Ensure all wire connections are secure and properly insulated.

- Do not exceed the specified voltage and current ratings.
- This device is intended for indoor use unless specifically rated for outdoor applications.
- Keep children away from electrical devices and wiring.

4. Setup and Installation

Installation of the Leviton 2625F Flanged Inlet should be performed by a qualified electrician in accordance with all applicable electrical codes and standards.

Required Tools and Materials:

- Screwdrivers (Phillips and flat-head)
- Wire strippers
- Voltmeter (for verifying power is off)
- Appropriate electrical box or panel for mounting
- Mounting screws (not included)

Installation Steps:

1. **Disconnect Power:** Locate the circuit breaker or fuse controlling the circuit where the inlet will be installed. Turn off the power and verify with a voltmeter that the circuit is de-energized.
2. **Prepare Mounting Surface:** Ensure the mounting surface is clean, flat, and provides adequate support for the inlet. Drill pilot holes if necessary for the mounting screws.
3. **Wire Preparation:** Strip approximately 3/4 inch (19mm) of insulation from the ends of the supply wires. Ensure the wire gauge is appropriate for 30A, 250V applications (e.g., 10 AWG copper).
4. **Wire Connection:** Connect the wires to the corresponding terminals on the back of the inlet. The L6-30P configuration typically involves two hot wires (Line 1 and Line 2) and one ground wire. Refer to the terminal markings (e.g., X, Y, G) for correct polarity. Tighten terminal screws securely to prevent loose connections, which can cause overheating.
5. **Mounting:** Position the flanged inlet into the prepared opening and secure it to the mounting surface using appropriate screws. Do not overtighten.
6. **Restore Power:** Once installation is complete and all connections are verified, restore power at the circuit breaker. Test the connection with a compatible L6-30R locking connector.

5. Operating Instructions

The Leviton 2625F Flanged Inlet is a passive electrical component designed to provide a secure connection point for compatible NEMA L6-30R locking plugs. Its operation is straightforward:

- **Connection:** Align the blades of a compatible NEMA L6-30R locking plug with the slots of the flanged inlet. Insert the plug fully into the inlet.
- **Locking:** Once inserted, twist the plug clockwise to engage the locking mechanism. This secures the connection and prevents accidental disconnection.
- **Disconnection:** To disconnect, twist the plug counter-clockwise to disengage the locking mechanism, then pull the plug straight out from the inlet.

Ensure that the connected equipment's power requirements do not exceed the inlet's 30 Amp, 250 Volt rating.

6. Maintenance

The Leviton 2625F Flanged Inlet is designed for long-term reliability with minimal maintenance. However, periodic inspection is recommended to ensure continued safe operation.

- **Regular Inspection:** Periodically inspect the inlet for any signs of physical damage, cracks, discoloration, or loose connections.
- **Cleaning:** If necessary, clean the exterior of the inlet with a dry, lint-free cloth. Do not use abrasive cleaners or solvents. Ensure power is disconnected before cleaning.
- **Terminal Check:** If the inlet is subjected to heavy use or vibration, it is advisable to periodically check the tightness of the terminal screws. **Always disconnect power before performing this check.**
- **Environmental Conditions:** Ensure the operating environment remains within the product's specified temperature and humidity ranges.

7. Troubleshooting

If you experience issues with your Leviton 2625F Flanged Inlet, consider the following common troubleshooting steps:

Problem	Possible Cause	Solution
No power at the inlet	Circuit breaker tripped; Loose wiring connection; Faulty supply cable	Check and reset circuit breaker; Verify all wiring connections are secure (power off); Test supply cable for continuity.
Plug does not lock securely	Incorrect plug type; Damaged inlet or plug; Obstruction in locking mechanism	Ensure plug is NEMA L6-30R; Inspect inlet and plug for damage; Clear any debris from the slots.
Inlet feels warm during operation	Overload; Loose connection; Damaged wiring	Reduce load on the circuit; Disconnect power and check all wiring connections for tightness; Inspect wiring for damage. If problem persists, consult an electrician.

If troubleshooting steps do not resolve the issue, discontinue use and contact a qualified electrician or Leviton customer support.

8. Specifications

Attribute	Value
Model Number	2625F
Configuration	NEMA L6-30P
Voltage Rating	250 Volts
Amperage	30 Amps
Poles / Wires	2 Pole, 3 Wire Grounding
Material	Nylon
Product Grade	Industrial
Dimensions (D x W x H)	3.4"D x 3.4"W x 3.4"H
Item Weight	3.2 ounces

Attribute	Value
Approvals	UL 498, CSA C22.2, NOM 057, FS WC596
UPC	078477806623

9. Warranty and Support

Warranty Information:

This Leviton product is backed by a manufacturer's warranty. For specific details regarding the warranty period and coverage, please refer to the documentation included with your purchase or visit the official Leviton website. Generally, Leviton's industrial-grade locking devices are known for their long-lasting reliability and are often backed by a lifetime warranty.

Customer Support:

For technical assistance, product inquiries, or warranty claims, please contact Leviton customer support:

- **Website:** Visit the official Leviton website for FAQs, product documentation, and contact information.www.leviton.com
- **Phone:** Refer to the Leviton website for regional customer service phone numbers.

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