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Leviton 5825-W

Leviton 15-Amp 125/250-Volt Decora Universal Duplex Receptacle User Manual

Model: 5825-W | Brand: Leviton

1. PRODUCT OVERVIEW

The Leviton 5825-W is a 15-Amp, 125/250-Volt Decora Universal Duplex Receptacle designed for commercial and specification grade applications. This self-grounding, 2-pole device features a smooth face duplex type and is constructed from durable thermoplastic nylon for the body and face. It supports both back and side wiring for flexible installation. Approved by UL and CSA, this receptacle is engineered to meet demanding electrical environments, making it suitable for use in various settings including hotels, schools, hospitals, and commercial office buildings. Its universal design allows it to accommodate both standard North American plugs and CEE 7/16 Europlugs (4mm pins).



Figure 1: Front view of the Leviton 5825-W Decora Universal Duplex Receptacle, showing its white finish and dual outlets.

2. KEY FEATURES

- **Universal Compatibility:** Openings accommodate CEE 7/16 Europlugs (4mm pins) in addition to standard North American plugs.
- **High Performance:** Features brass contacts for superior plug retention and reliable electrical connection.
- **Durable Construction:** Housing made of impact-resistant Nylon ensures extreme durability and longevity.
- **Secure Mounting:** Includes a wrap-around galvanized steel strap for excellent support and secure installation.
- **Easy Wiring:** All terminal screws are 10-32 triple combination head steel, supporting both back and side wiring methods.
- **Commercial Grade:** Designed and manufactured to withstand demanding environments, suitable for

commercial and specification grade applications.



Figure 2: Close-up view highlighting the robust brass contacts and universal plug openings.

3. SETUP AND INSTALLATION

Installation of the Leviton 5825-W receptacle should be performed by a qualified electrician or a knowledgeable individual in accordance with all local and national electrical codes.

Safety Precautions:

- **ALWAYS** turn off power at the circuit breaker or fuse box before beginning any electrical work. Verify power is off using a voltage tester.
- Ensure proper grounding. This receptacle is self-grounding.
- Do not exceed the specified voltage (125/250V) or current rating (15 Ampere).

Wiring Instructions:

1. Prepare the electrical box and wires according to standard electrical practices. Strip approximately 1/2 inch of insulation from the ends of the wires.
2. Connect the ground wire (bare copper or green insulated) to the green grounding screw on the receptacle.
3. Connect the hot/live wire(s) (typically black or red) to the brass-colored terminal screws.
4. Connect the neutral wire (typically white) to the silver-colored terminal screws.
5. This receptacle supports both **back wiring** (inserting straight wire into holes on the back and tightening screws) and **side wiring** (wrapping wire around the terminal screws and tightening). Ensure connections are tight and secure.
6. Carefully fold wires into the electrical box and secure the receptacle to the box using the mounting screws.
7. Install the wall plate (sold separately).
8. Restore power at the circuit breaker.



Figure 3: Leviton offers a wide range of electrical devices, including the 5825-W receptacle, designed for various applications.

4. OPERATING INSTRUCTIONS

The Leviton 5825-W Universal Duplex Receptacle is designed for straightforward operation, allowing you to power two devices simultaneously.

Using the Receptacle:

- Insert the plug of your electrical device into one of the receptacle's outlets. Ensure the plug is fully inserted.
- This receptacle is designed to accept both standard North American 2-prong or 3-prong plugs and European CEE 7/16 Europlugs (4mm pins).
- Verify that your device's voltage and current requirements are compatible with the receptacle's rating (125/250V, 15 Ampere).

Important Note on Voltage: While this receptacle is rated for 125/250V, the voltage supplied to each outlet depends on how it is wired. If wired for 125V, both outlets will provide 125V. If wired for 250V, both outlets will provide 250V. If the receptacle is split-wired (e.g., one outlet 125V and the other 250V), it is crucial to clearly label each outlet to prevent accidental connection of a 125V device to a 250V supply, which can cause severe damage to the device. Consult a qualified electrician for split-wiring configurations.

5. MAINTENANCE

The Leviton 5825-W receptacle requires minimal maintenance.

- **Cleaning:** To clean the receptacle, first turn off power at the circuit breaker. Use a soft, damp cloth to wipe the surface. Do not use abrasive cleaners or solvents. Ensure the surface is completely dry before restoring power.
- **Periodic Inspection:** Periodically check the receptacle for any signs of damage, such as cracks, discoloration, or loose connections. If any damage is observed, turn off power and have the receptacle inspected and replaced by a qualified electrician.
- **Plug Retention:** The high-performance brass contacts are designed for superior plug retention. If plugs feel excessively loose, it may indicate wear or damage, and the receptacle should be inspected.

6. TROUBLESHOOTING

If you encounter issues with your Leviton 5825-W receptacle, consider the following troubleshooting steps:

No Power to Receptacle:

- **Check Circuit Breaker:** Ensure the circuit breaker supplying power to the receptacle is in the "ON" position. If it has tripped, reset it.
- **Test Other Outlets:** Check if other outlets on the same circuit are working. If not, the issue might be with the circuit breaker or wiring upstream.
- **Verify Wiring:** With power off, carefully inspect the wiring connections at the receptacle. Ensure all wires are securely fastened to their respective terminals.

Plug Does Not Fit or Is Loose:

- **Check Plug Type:** This receptacle is designed for standard North American plugs and CEE 7/16 Europlugs (4mm pins). Ensure your plug is compatible. Some older or non-standard European plugs may have larger pins that do not fit the 4mm openings.
- **Consider Adapters:** If your appliance has prongs that are too large for the outlet, an appropriate adapter may be required. Do not attempt to force plugs or modify the receptacle openings, as this can damage the unit and create a safety hazard.
- **Loose Connection:** If a compatible plug feels loose, the internal contacts may be worn or damaged. The receptacle should be replaced by a qualified electrician.

Device Malfunction After Plugging In:

- **Voltage Mismatch:** As noted in the Operating Instructions, ensure the voltage supplied by the receptacle matches the voltage required by your device. Connecting a 125V device to a 250V supply will likely damage the device.
- **Overload:** Ensure the total current draw of devices plugged into the receptacle does not exceed its 15 Ampere rating.

If troubleshooting steps do not resolve the issue, or if you are unsure about any electrical procedures, it is recommended to contact a qualified electrician for assistance.

7. SPECIFICATIONS

Attribute	Detail
Brand	Leviton
Model Number	5825-W
Type	Decora Universal Duplex Receptacle
Current Rating	15 Ampere
Voltage Rating	125/250 Volts
Wattage	5825 watts
Configuration	5-15R
Wiring Type	Back and Side Wired
Material	Thermoplastic Nylon (Body/Face), Brass (Contacts), Galvanized Steel (Strap)
Color	White

Attribute	Detail
Poles	2
Wires	3
Approvals	UL, CSA
Item Weight	2.89 ounces
Product Dimensions	4 x 1 x 3 inches

8. WARRANTY INFORMATION

The Leviton 5825-W Decora Universal Duplex Receptacle comes with a manufacturer's warranty. For specific details regarding the terms, conditions, and duration of the warranty, please refer to the documentation included with your product or visit the official Leviton website.

9. CUSTOMER SUPPORT

For further assistance, technical support, or inquiries regarding the Leviton 5825-W receptacle, please contact Leviton customer service.

- **Online Resources:** Visit the official Leviton website for product information, FAQs, and additional support resources.
- **Contact Information:** Refer to the Leviton website or product packaging for current contact details, including phone numbers and email addresses for technical support.
- **Brand Store:** You can also visit the [Leviton Brand Store on Amazon](#) for more products and information.