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› Leviton Decora Plus Duplex Receptacle 8380-W Instruction Manual

Leviton 8380-W

Leviton Decora Plus Duplex Receptacle Instruction Manual

Model: 8380-W

PRODUCT OVERVIEW

The Leviton 8380-W Decora Plus Duplex Receptacle is a 20 Amp, 125 Volt, hospital-grade surge protective device designed to safeguard sensitive electronic equipment from voltage transients. It features a 5-20R configuration, self-grounding capability, and includes an indicator light and an audible alarm for enhanced safety and monitoring.



Image: Front view of the Leviton 8380-W Decora Plus Duplex Receptacle, showing the two outlets, indicator light, and audible alarm grill.

This receptacle is suitable for industrial, commercial, and residential applications, diverting damaging voltage transients away from micro-circuitry to prevent catastrophic failure, costly downtime, and data disruptions. It is listed to UL 1449 3rd Edition Standards and CSA C22.2 approved.

KEY FEATURES

- **Surge Protection:** Provides point-of-use protection for up to 36,000 amps of surge current total.
- **Energy Absorption:** Four 18mm MOVs (Metal Oxide Varistors) enable an energy absorption rating of 720 Joules.
- **EMI/RFI Filtering:** Designed to provide enhanced electromagnetic interference (EMI) and radio-frequency interference (RFI) filtering.
- **Indicator Light:** A green indicator light confirms active surge protection.
- **Audible Alarm:** An audible alarm signals when the surge protection has been compromised, indicating the need for replacement.
- **Wiring:** Features both back and side wired design for flexible installation.

- **Durability:** Equipped with a durable metal mounting strap.
- **Hospital Grade:** Meets stringent hospital grade requirements for reliability and safety.

INSTALLATION AND SETUP

Safety First: Before beginning any electrical work, ensure the power to the circuit is turned OFF at the main service panel (breaker box). Verify with a voltage tester.

1. **Prepare the Wiring:** Strip approximately 1/2 inch of insulation from the ends of the circuit wires (hot, neutral, and ground).
2. **Connect Wires:** Connect the wires to the appropriate terminals on the receptacle. The 8380-W supports both side and back wiring.
 - **Hot (Black/Red):** Connect to the brass-colored terminal screws.
 - **Neutral (White):** Connect to the silver-colored terminal screws.
 - **Ground (Green/Bare Copper):** Connect to the green grounding screw. This receptacle is self-grounding, but a direct ground wire connection is recommended for optimal performance.
3. **Mount the Receptacle:** Carefully fold the wires into the electrical box and secure the receptacle to the box using the provided mounting screws. Ensure the receptacle is flush with the wall.
4. **Install Wallplate:** Attach the Decora wallplate (included) over the receptacle.
5. **Restore Power:** Turn the power back ON at the main service panel. The green indicator light on the receptacle should illuminate, confirming active surge protection.



Image: An electrical service panel, illustrating the context of electrical installations. While the 8380-W is a point-of-use device, proper electrical system integrity is crucial for its effective operation.

OPERATING INSTRUCTIONS

The Leviton 8380-W Decora Plus Duplex Receptacle operates automatically to protect connected devices from power surges.

- **Green Indicator Light:** A continuously lit green LED indicates that the surge protection circuitry is active and functioning correctly.
- **Audible Alarm:** If the surge protection components are damaged or have absorbed a significant surge, an audible alarm will sound. This indicates that the receptacle's surge protection capability has been compromised and it needs

to be replaced.

- **Silencing the Alarm:** The audible alarm can be temporarily silenced by turning a small screw located under a label on the front of the device. However, silencing the alarm does not restore surge protection; it only mutes the sound. The device must still be replaced.



Image: A modern living room setup with various electronic devices, emphasizing the importance of surge protection for sensitive equipment.

MAINTENANCE

The Leviton 8380-W Decora Plus Duplex Receptacle requires minimal maintenance. Regular checks are recommended to ensure continued protection.

- **Indicator Light Check:** Periodically check the green indicator light. If it is off or if the audible alarm is sounding, the surge protection is no longer active, and the unit should be replaced.
- **Cleaning:** Clean the surface of the receptacle with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Environmental Factors:** Ensure the receptacle is not exposed to excessive moisture or extreme temperatures, which can affect its performance and lifespan.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Green indicator light is off.	Surge protection has been compromised or unit is not receiving power.	Verify power to the circuit. If power is present and the light is off, the surge protection is no longer active. Replace the receptacle.
Audible alarm is sounding.	Surge protection has been compromised.	The unit has absorbed a significant surge and its protection capability is exhausted. Replace the receptacle. The alarm can be temporarily silenced via the screw under the label, but replacement is necessary.
No power from outlets.	Circuit breaker tripped, wiring issue, or unit failure.	Check the circuit breaker and reset if tripped. Inspect wiring connections for looseness. If issues persist, consult a qualified electrician.



Image: A lightning storm over a residential neighborhood, visually representing the type of electrical surges this device is designed to protect against.

SPECIFICATIONS

Attribute	Value
Model Number	8380-W (08380-312-00W)
Type	Duplex Receptacle, Hospital Grade, Surge Protective
Configuration	5-20R
Voltage Rating	125 Volts
Current Rating	20 Amp
Wattage	8380 Watts
Surge Current Total	Up to 36,000 Amps
Energy Absorption Rating	720 Joules
Wiring Type	Side, Back Wiring
Grounding	Self-Grounding
Material	Nylon
Dimensions	5 x 2.81 x 2.38 inches
Weight	6.4 ounces
Approvals/Certifications	UL 1449 3rd Edition, CSA C22.2, ETL

WARRANTY INFORMATION

The Leviton 8380-W Decora Plus Duplex Receptacle comes with a **5-Year Limited Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use and service. It does not cover damage resulting from misuse, abuse, accidents, unauthorized repairs, or acts of nature (e.g., lightning strikes that exceed the device's surge protection capacity, leading to its failure).

For warranty claims or detailed terms and conditions, please refer to the official Leviton warranty documentation or contact Leviton customer support.

CUSTOMER SUPPORT

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

- **Website:** Visit the official [Leviton website](#) for product information, FAQs, and support resources.
- **Phone:** Refer to the contact section on the Leviton website for regional customer service phone numbers.
- **Online Store:** You can also visit the [Leviton Store on Amazon](#) for product details and purchasing options.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question