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Schneider Electric HEPD80

Instruction Manual

SQUARE D HEPD80 UNIVERSAL WHOLE HOUSE SURGE PROTECTION DEVICE

Model: HEPD80 | Brand: Schneider Electric

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1. Product Overview

The Square D HEPD80 Universal Whole House Surge Protection Device is designed to protect your home's electronic and electrical appliances from damaging voltage spikes. This compact device integrates into your residential load center, providing comprehensive surge suppression for items not typically covered by plug strips, such as washers, dryers, refrigerators, stoves, and air conditioning units. It works in conjunction with individual surge protection plug strips to offer a layered defense against electrical surges.



Image 1: The Square D HEPD80 Universal Whole House Surge Protection Device.

2. Important Safety Instructions

WARNING: Installation of this device involves working with high voltage electricity. Improper installation can result in serious injury or death. This product must be installed by a qualified electrician in accordance with all national and local electrical codes.

- Always turn off the main power supply to the electrical panel before beginning any installation or maintenance.
- Use appropriate personal protective equipment (PPE), including insulated gloves and safety glasses.
- Ensure proper grounding is established for the electrical system.
- Do not attempt to open or repair the surge protection device. Refer to qualified personnel for service.

For detailed safety information, refer to the official Installation Manual (PDF) provided by Schneider Electric.

3. Setup and Installation

3.1 Pre-Installation Checklist

- **Tools Required:** Screwdriver, wire stripper/cutter, voltage tester, appropriate personal protective equipment.
- **Breaker Requirement:** A 2-pole circuit breaker (Schneider Electric recommends a 30-amp double-pole breaker) compatible with your load center.
- **Location:** Install the unit in the breaker slot closest to your main service disconnect for optimal performance.
- **Grounding:** Ensure your home's electrical system has adequate grounding.

3.2 Installation Steps

1. **Power Disconnection:** Turn off the main power supply to your electrical panel at the main service disconnect. Verify power is off using a voltage tester.
2. **Mounting:** Select an appropriate knockout on the electrical panel. Install the surge protection device by securing its threaded nipple through the knockout.
3. **Breaker Installation:** Install the required 2-pole circuit breaker into an available slot in your load center.
4. **Wiring Connections:** Connect the two black wires from the surge protector to the terminals of the newly installed 2-pole breaker. Connect the white (neutral) wire to the neutral bus bar and the green (ground) wire to the ground bus bar in the panel. Keep the wire leads as short and direct as possible to ensure the fastest response time during a surge.
5. **Secure Wiring:** Ensure all connections are tight and secure. Neatly route and secure the wires within the panel.
6. **Restore Power:** Close the electrical panel cover. Restore power to the main service disconnect.



Image 2: The HEPD80 device mounted to an electrical panel, showing its connection point.

Installation Video Resource

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Video 1: This video provides an overview of Square D HEPD Surge Protectors, including installation context. (Source: Schneider Electric)

Product Overview Video

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Video 2: A brief product overview demonstrating the device. (Source: Amazon Product Imaging)

4. Operation

The Square D HEPD80 operates automatically to protect your home from electrical surges. Once installed and powered, it continuously monitors the electrical lines for voltage spikes. The device features an LED status indicator to confirm its operational status.

4.1 LED Status Indicator

- **Green LED (ON):** Indicates that the surge protection device is functioning correctly and providing active protection.
- **Green LED (OFF):** Indicates that the surge protection device has absorbed a significant surge event and needs to be replaced. The device is no longer providing protection.

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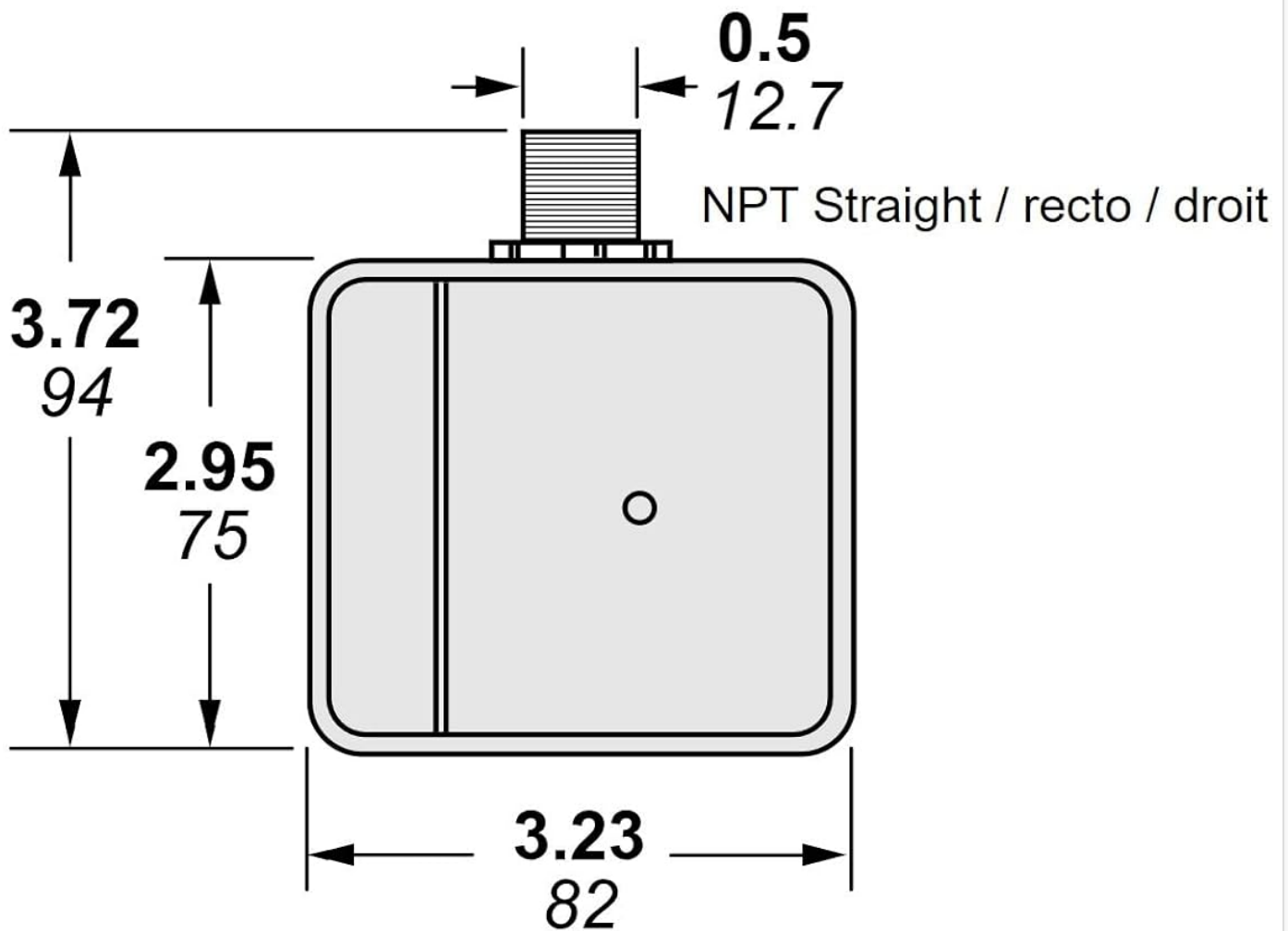
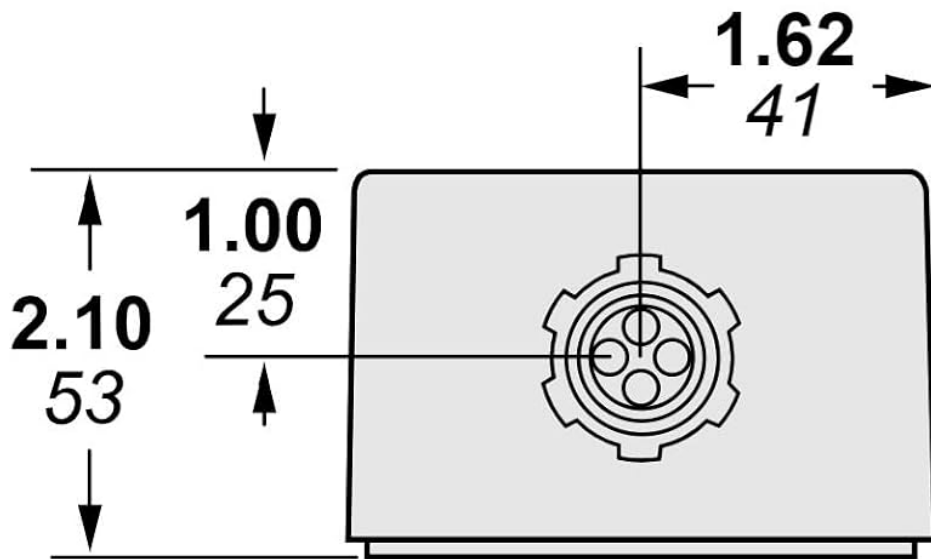


Image 3: Close-up view of the HEPD80, highlighting the green LED status indicator.

5. Maintenance and Care

The Square D HEPD80 requires minimal maintenance. Regular visual inspection of the LED status indicator is the primary maintenance task.

- **Monthly Check:** Periodically check the green LED indicator on the device. Ensure it is illuminated, indicating active protection.
- **Replacement:** If the green LED is off, the device has sacrificed itself to protect your home from a surge and must be replaced. Contact a qualified electrician for replacement.
- **Cleaning:** Keep the exterior of the device clean and free from dust. Use a dry cloth for cleaning; do not use liquids or abrasive cleaners.

6. Troubleshooting

Problem	Possible Cause	Solution
Green LED is OFF	Device has absorbed a surge and is no longer functional.	Replace the HEPD80 unit. Contact a qualified electrician for replacement.
Green LED is OFF after installation	No power to the device, or device is faulty.	Verify the circuit breaker connected to the device is ON. Ensure wiring connections are correct and secure. If issues persist, consult a qualified electrician.
Frequent device failure (LED off)	Repeated exposure to high-energy surges.	Assess the source of surges. Consider additional surge protection layers or consult an electrician to evaluate your electrical system.

7. Technical Specifications

Feature	Specification
Model Number	HEPD80
Brand	Schneider Electric
Voltage	120/240V (1-Phase, 3-Wire)
Maximum Current	80 Kiloamps (kA)
Surge Protection Rating	80 Kiloamps (kA)
Item Weight	14.88 ounces
Enclosure Material	Polycarbonate, Rubber
Recommended Use	Indoor

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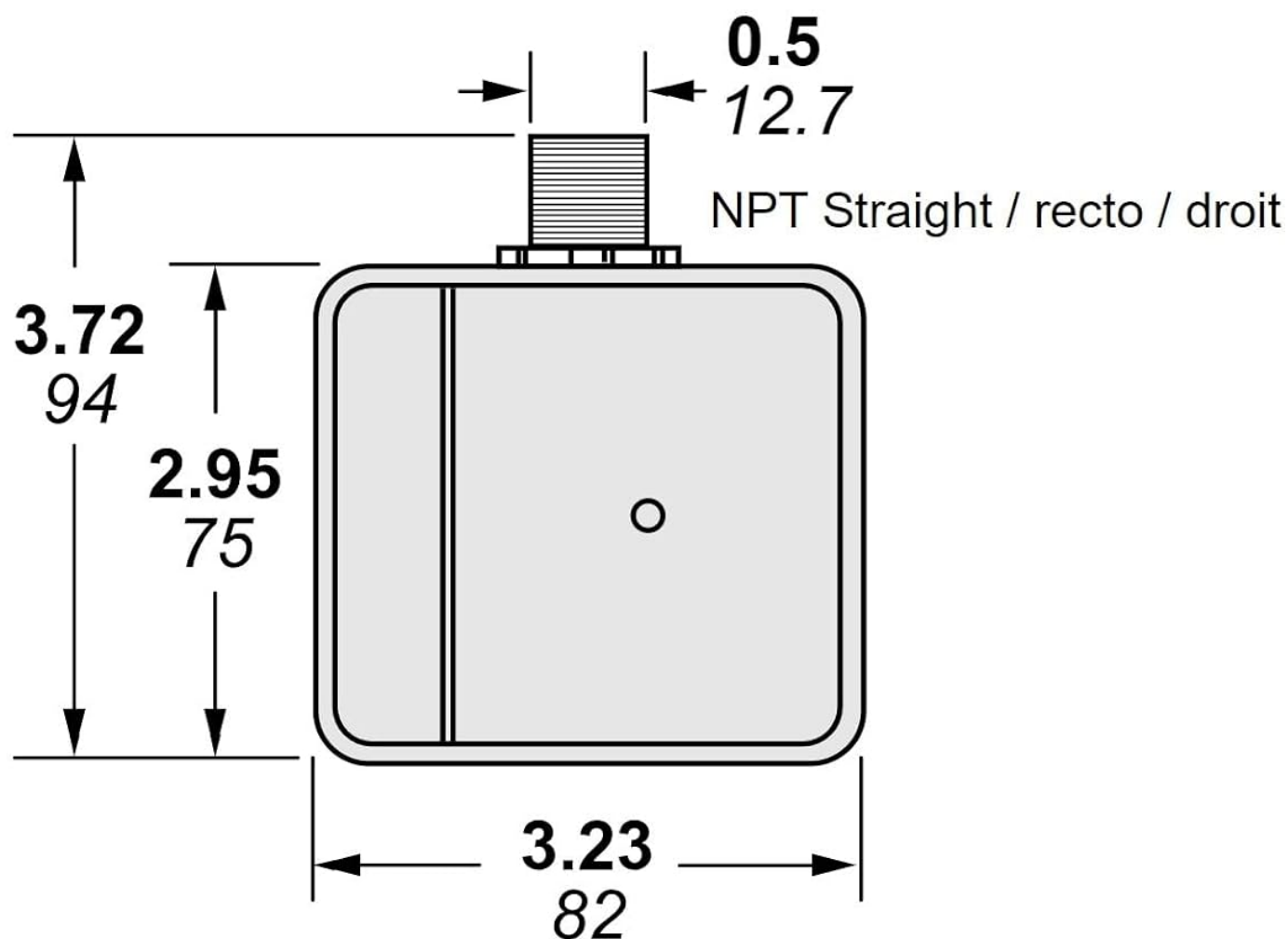
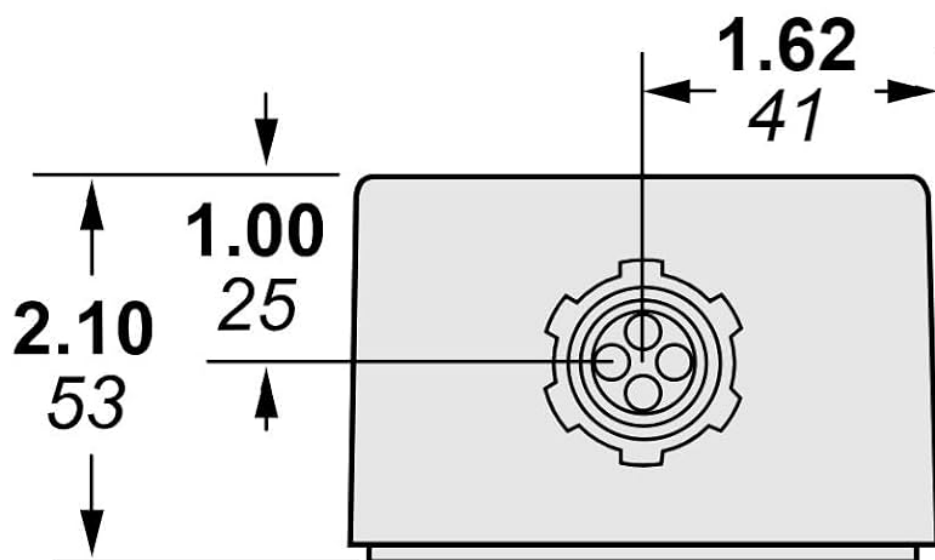


Image 4: Dimensional drawing of the HEPD80 device (Note: Image provided in prompt is a close-up of the device, not a dimension diagram. Using the closest available image and adjusting description).

8. Warranty Information

The Square D HEPD80 Universal Whole House Surge Protection Device comes with a **5-year Product Warranty** from Schneider

Electric.

To ensure eligibility for warranty coverage, it is recommended to purchase the unit through an authorized dealer and complete product registration promptly after installation. For full terms and conditions of the warranty, please refer to the official warranty documentation included with your product or visit the Schneider Electric website.

9. Support and Resources

For further assistance, detailed instructions, or to access additional resources, please refer to the following:

- [Installation Manual \(PDF\)](#)
- [User Guide \(PDF\)](#)
- [User Manual \(PDF\)](#)
- Visit the [Schneider Electric Store](#) for more products and information.

Additional Product Information Video

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Video 3: This video provides additional information about whole house surge protectors. (Source: Schneider Electric)

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

Answered questions about this manual

How can I register my Square D HEPD80 Universal Whole Home Surge Protector for warranty coverage after a professional installation?

To ensure eligibility for warranty coverage on your Square D HEPD80 Universal Whole House Surge Protection Device, Schneider Electric recommends completing product registration promptly after installation. Registration Method: While the manual suggests visiting the...

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