

SurgeX SX-DS-154

SurgeX Defender Series MultiPak (SX-DS-154) User Manual

Model: SX-DS-154 | Brand: SurgeX

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your SurgeX Defender Series MultiPak (Model #SX-DS-154). This device is designed to protect sensitive electronic equipment, such as multi-panel digital displays and projectors, from power disturbances including surges, spikes, over/under voltage, and EMI/RFI noise.

The MultiPak utilizes advanced multi-stage technology to ensure robust protection and enhance the lifespan and reliability of connected equipment. It is a non-sacrificial unit, meaning it does not degrade over time or require resetting after power events.

2. IMPORTANT SAFETY INFORMATION

Please read all safety instructions carefully before installing or operating the SurgeX Defender Series MultiPak. Failure to follow these instructions may result in electric shock, fire, or damage to the product or connected equipment.

- **Indoor Use Only:** This product is designed for indoor use in dry locations. Do not expose to water or excessive humidity.
- **Proper Grounding:** Ensure the electrical outlet used is properly grounded. Do not remove the grounding prong from the power cord.
- **Overload Protection:** Do not exceed the maximum electrical rating of 15 Amps (120 Volts). Overloading the unit can cause damage or fire.
- **Ventilation:** Ensure adequate ventilation around the unit. Do not block ventilation openings.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.
- **Proposition 65 Warning:** This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

3. PRODUCT OVERVIEW

The SurgeX Defender Series MultiPak (SX-DS-154) is a compact surge protector and power conditioner designed for sensitive electronic equipment. It features four AC outlets and advanced protection circuitry.



Figure 3.1: Front view of the SurgeX Defender Series MultiPak (SX-DS-154). The unit is black with four yellow AC outlets on one side and a power cord extending from the other. The SurgeX logo and "MULTIPAK Surge Protector / Power Conditioner" text are visible on the top surface.

Key Features:

- Advanced power protection for multi-panel displays.
- Superior multi-stage technology compared to conventional single-stage MOV circuitry.
- Improves audio and video performance by filtering EMI/RFI noise.
- Increases the reliability and lifespan of connected equipment.
- Compact design for easy integration with wall/ceiling mounting systems.
- Non-sacrificial protection, no reset required after disturbances.

4. SETUP AND INSTALLATION

Follow these steps to properly set up your SurgeX Defender Series MultiPak:

1. **Unpack the Unit:** Carefully remove the MultiPak from its packaging. Inspect for any signs of damage.
2. **Choose a Location:** Select a dry, indoor location near the equipment to be protected. Ensure adequate ventilation around the unit. The compact design allows for integration with wall or ceiling mounting systems (mounting hardware may be sold separately).
3. **Connect Equipment:** Plug the power cords of your digital displays, projectors, or other sensitive electronic equipment into the four AC outlets on the SurgeX MultiPak. Ensure all connections are secure.
4. **Connect to Power Source:** Plug the power cord of the SurgeX MultiPak into a standard 120 Volt, 15 Amp grounded electrical outlet.

5. **Verify Operation:** Once connected, the MultiPak will begin protecting your equipment. There are no indicator lights or switches on this model for operation status, as it provides continuous, non-sacrificial protection.

Note: For optimal performance, avoid daisy-chaining multiple surge protectors. Plug the MultiPak directly into a wall outlet.

5. OPERATING INSTRUCTIONS

The SurgeX Defender Series MultiPak (SX-DS-154) operates automatically once connected to a power source and with equipment plugged in. It provides continuous protection without user intervention.

- **Automatic Protection:** The unit constantly monitors incoming power for surges, spikes, over/under voltage conditions, and EMI/RFI noise. It automatically suppresses these disturbances to protect connected devices.
- **Non-Sacrificial Design:** Unlike traditional surge protectors that degrade with each surge, the MultiPak's non-sacrificial technology ensures consistent protection over its lifespan without requiring replacement after power events.
- **No Reset Required:** There are no buttons or switches to reset after a power disturbance. The unit automatically recovers and continues to provide protection.

To power off connected equipment, use the power switches on the individual devices or unplug them from the MultiPak. To remove power from the MultiPak itself, unplug its power cord from the wall outlet.

6. MAINTENANCE

The SurgeX Defender Series MultiPak (SX-DS-154) requires minimal maintenance due to its robust and non-sacrificial design.

- **Cleaning:** Periodically wipe the exterior of the unit with a soft, dry cloth. Do not use liquid or aerosol cleaners. Ensure the unit is unplugged before cleaning.
- **Inspection:** Occasionally inspect the power cord and the unit for any signs of damage, such as frayed wires or cracked casing. If damage is found, discontinue use and contact qualified service personnel.
- **Ventilation:** Ensure that the ventilation openings are not obstructed by dust or debris.

No user-serviceable parts are inside the unit. Do not open the casing.

7. TROUBLESHOOTING

If you experience issues with your SurgeX Defender Series MultiPak, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No power to connected devices.	MultiPak not plugged into a live outlet. Wall outlet has no power. Connected device is off or faulty. Circuit breaker tripped.	Ensure the MultiPak's power cord is securely plugged into a working wall outlet. Test the wall outlet with another device. Check the power switch on the connected device. Check your building's circuit breaker panel and reset any tripped breakers.
Audio/video quality issues persist.	External interference not related to power. Faulty cables or equipment.	While the MultiPak filters EMI/RFI from power lines, other sources of interference (e.g., wireless signals, faulty cables) may exist. Inspect and replace any damaged audio/video cables. Test equipment directly without the MultiPak to isolate the issue.
Unit appears damaged.	Physical impact or extreme conditions.	Discontinue use immediately. Do not attempt to repair. Contact SurgeX customer support or qualified service personnel.

If the problem persists after attempting these solutions, contact SurgeX customer support for further assistance.

8. SPECIFICATIONS

Feature	Detail
Model Number	SX-DS-154
Input Voltage	120 Volts
Current Rating	15 Amps
Total Power Outlets	4
Product Dimensions (L x W x H)	7.3 x 8.2 x 1.8 inches
Item Weight	5.57 pounds
Color	Multicolor (typically black with yellow outlets)
Special Feature	Compact, EMI/RFI Noise Filter, Non-Sacrificial Surge Protection
Manufacturer	ESP SurgeX

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please contact SurgeX directly. Refer to the official SurgeX website or product packaging for the most current contact details and warranty terms.

Online Resources: Visit the official SurgeX website for product registration, FAQs, and additional support documentation.

Customer Service: Contact information for customer service can typically be found on the manufacturer's website or

within the product packaging.



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