

Ortis Surge Protector & Alarm Orange

Ortis Refrigerator Surge Protector & Power Failure Alarm User Manual

MODEL: SURGE PROTECTOR & ALARM ORANGE

Brand: Ortis

Introduction

This manual provides essential information for the safe and effective use of your Ortis Refrigerator Surge Protector & Power Failure Alarm. This device is designed to offer dual protection for your appliances, combining surge protection with a power failure alarm. It safeguards against voltage abnormalities, power outages, and other electrical issues, helping to extend the lifespan of your appliances and prevent potential losses. The unit features a clear LED indicator panel, a loud 110dB alarm, and a built-in rechargeable battery for continuous operation. Please read this manual thoroughly before installation and use.



Figure 1: Ortis Refrigerator Surge Protector & Power Failure Alarm Unit

Product Features

- **Dual Protection:** Combines power failure alarm and surge protection in one device.
- **Electrical Protection:** Monitors and protects against high/low voltage, spikes, instant surges, power failures, and voltage fluctuations for 120VAC appliances.
- **Power Outage Alert:** Notifies with flashing lights and a 110dB loud alarm during power failures.
- **Clear LED Panel:** Displays voltage status (High, Low, Normal) and operational states (Charging, Alarm).
- **Built-in Rechargeable Battery:** Ensures continuous monitoring and alarm functionality even during power outages, with automatic charging.
- **Mute Button:** Allows silencing of the alarm.
- **Delay Period:** Features a 3-minute delay period before restoring power to protect compressors in appliances.



Figure 2: Power Failure Alarm with Surge Protector Functionality

Setup and Installation

1. **Inspect the Unit:** Before installation, ensure the Ortis Surge Protector and its cables are free from any visible damage.
2. **Prepare the Outlet:** Verify that the wall outlet is in good condition and provides stable 120VAC power.
3. **Plug in the Protector:** Insert the plug of the Ortis Surge Protector into a standard 120VAC wall outlet. The unit will automatically begin charging its internal battery.
4. **Connect Appliance:** Plug your refrigerator, freezer, or other appliance into the outlet on the Ortis Surge Protector.
5. **Mounting (Optional):** The unit is designed to be mountable. You can use screws to secure it to a wall near the outlet for a more permanent installation. Alternatively, it can be placed on a flat surface.

Warning: Always ensure the wall outlet and appliance plug are in good condition before connecting the device.

SIZE



Figure 3: Connecting the Surge Protector to an Outlet

Save Space

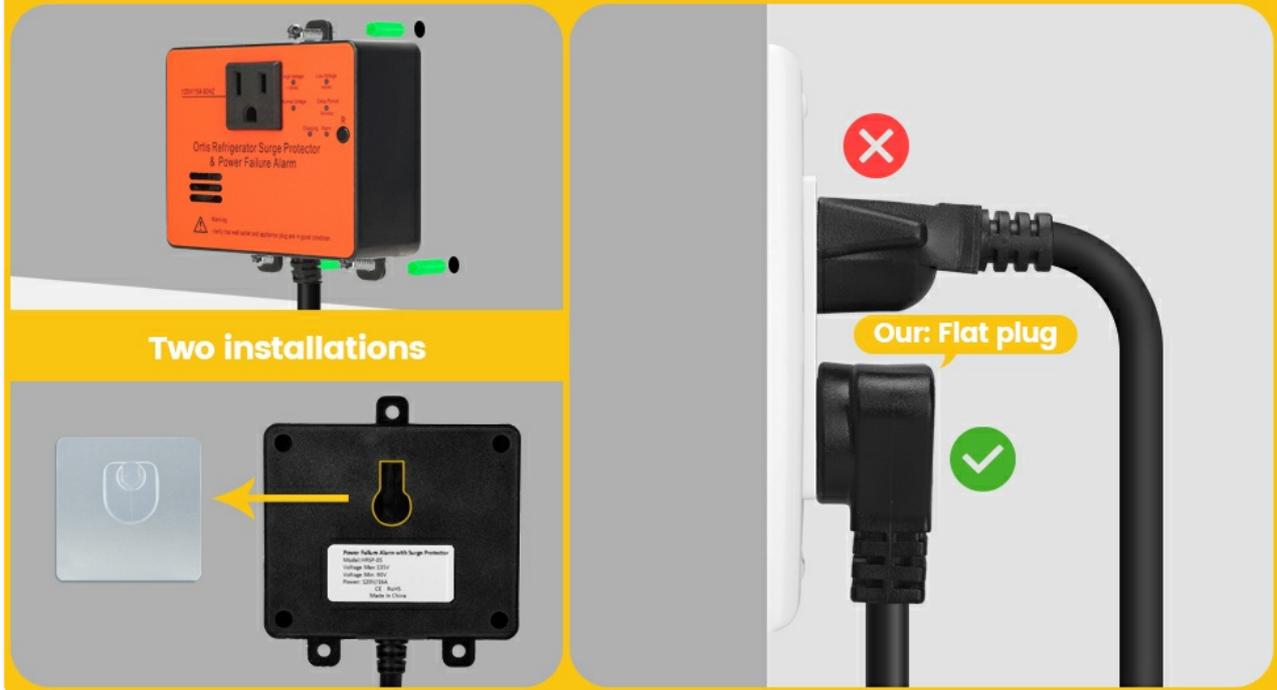


Figure 4: Two Installation Methods (Wall Mount and Flat Plug)

Operating Instructions

Once plugged in, the Ortis Surge Protector will automatically begin monitoring the voltage. The LED indicator lights provide real-time status updates.

LED Indicator Lights:

- **High Voltage (>135VAC):** Indicates that the incoming voltage is too high. The unit will cut power to the appliance to prevent damage.
- **Low Voltage (<90VAC):** Indicates that the incoming voltage is too low. The unit will cut power to the appliance.
- **Normal Voltage:** Illuminates when the voltage is within the safe operating range (90VAC-135VAC).
- **Delay Period (3 minutes):** After a power interruption or voltage abnormality, the unit will enter a 3-minute delay before restoring power. This protects compressors in appliances like refrigerators from rapid cycling.
- **Charging:** Indicates the internal battery is charging. The battery automatically charges when the unit is plugged into a live outlet.
- **Alarm:** Illuminates and the 110dB alarm sounds during a power failure or significant voltage issue.

Alarm Function:

In the event of a power failure or critical voltage abnormality, the unit will activate its 110dB alarm and flash the alarm light. This alerts you to the issue, allowing you to take necessary action, such as salvaging perishable goods from a refrigerator.

Mute Button:

Press the 'R' (Reset/Mute) button on the unit to silence the alarm. The alarm will remain muted until the power is restored or the issue is resolved. If the power is restored, the unit will go through its 3-minute delay period before re-energizing the appliance.



Detailed Indicator Lights

Provides intuitive power supply voltage status

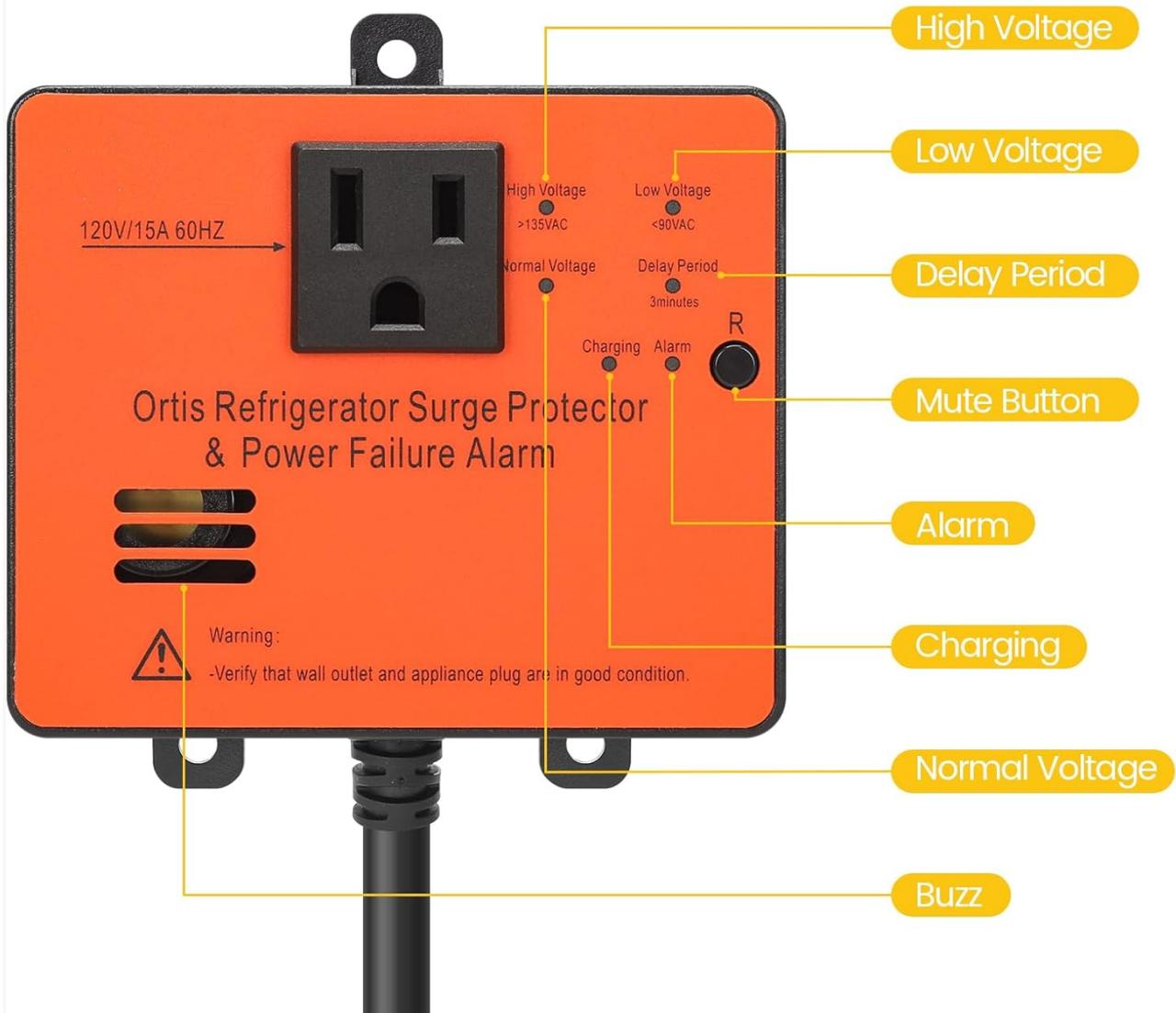


Figure 5: Detailed Indicator Lights and Mute Button

Maintenance

- **Cleaning:** Periodically wipe the unit with a soft, dry cloth. Do not use liquid cleaners or abrasive materials.
- **Battery:** The built-in lithium battery is designed for long life and automatically recharges when the unit is plugged in. No user maintenance is required for the battery.
- **Storage:** If storing the unit for an extended period, ensure it is fully charged and store it in a cool, dry place.
- **Inspection:** Regularly inspect the unit and its cords for any signs of wear or damage. If damage is found, discontinue use and contact customer support.

Troubleshooting

Problem	Possible Cause	Solution
Unit not powering on / No LED lights	No power from wall outlet; Unit malfunction.	Check wall outlet with another device. Ensure the unit is securely plugged in. If still no power, the unit may be faulty.
Alarm sounds continuously	Power failure; Voltage outside normal range.	Check household power. Observe LED indicators for High/Low Voltage. Press the 'R' button to mute the alarm. Power will be restored after the 3-minute delay once conditions normalize.
Appliance not receiving power after an event	Unit is in delay period; Persistent voltage issue.	Wait for the 3-minute delay period to complete. If the issue persists, check the LED indicators for ongoing voltage problems. Ensure the appliance is properly plugged into the protector.
Alarm is not loud enough	Environmental noise; User expectation.	The alarm is rated at 110dB. Ensure the unit is not obstructed. Consider placing it in a location where the alarm can be heard more easily.
Unit appears faulty after a power surge	Surge protection activated; Internal damage.	The unit is designed to sacrifice itself to protect your appliance during a severe surge. If it no longer functions, it may have absorbed a surge and needs replacement.

Specifications

Brand	Ortis
Model	Surge Protector & Alarm Orange
Input Voltage	120 Volts (AC)
Total Power Outlets	1
Alarm Loudness	110dB
Delay Period	3 minutes
Special Feature	Mountable
Item Weight	11.7 ounces
Package Dimensions	5.51 x 4.8 x 2.32 inches
Manufacturer	FJKJ INC.
Country of Origin	China

SIZE



Figure 6: Product Dimensions

Contact and Support

For further assistance, technical support, or warranty inquiries, please contact Oris customer service through the retailer's platform or the official Oris website. Please have your product model and purchase information ready when contacting support.

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