

OELFFOW LF-1000

OELFFOW LF-1000 Refrigerator Surge Protector User Manual

Model: LF-1000

Introduction	Safety Information	Product Overview	Setup	Operation	Maintenance
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1. INTRODUCTION

The OELFFOW LF-1000 Refrigerator Surge Protector is designed to safeguard your refrigerator and other household appliances from electrical disturbances. This device provides protection against transient surges, high voltage, fluctuations, spikes, and power outages, thereby extending the lifespan and optimizing the performance of your connected devices. It features a real-time digital display for monitoring electrical status and customizable protection settings.

2. IMPORTANT SAFETY INFORMATION

Please read and understand all safety instructions before installing and operating this product. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Do not disassemble or modify the surge protector.
- Ensure the wall outlet and appliance plugs are in good condition and properly seated.
- Do not exceed the maximum load capacity of the surge protector (16A).
- This device is intended for indoor use only. Do not expose to moisture or extreme temperatures.
- Keep out of reach of children.
- If the device shows signs of damage, discontinue use immediately and contact support.

Warning: Connect a maximum of 2 appliances to the protector. Verify that the wall outlet and appliance plug are in good condition.

3. PRODUCT OVERVIEW

The OELFFOW LF-1000 Refrigerator Surge Protector is constructed from high-quality, flame-retardant PC material, ensuring durability and resistance to high temperatures. Its robust design protects internal components from compression and impact.

Key Features:

- **Advanced Surge Protection:** Shields appliances from transient surges, high voltage, fluctuations, spikes, and power outages.
- **Digital Tube Real-Time Display:** Features bright LED indicators with low power consumption, providing real-time current and voltage data.
- **Customizable Settings:** Four adjustable buttons allow users to set specific current and over/under voltage values.
- **Dual Outlets:** Equipped with two outlets to protect two appliances simultaneously.
- **Wall-Mount Design:** Includes mounting screws for easy installation.



Figure 1: Front view of the OELFFOW LF-1000 Refrigerator Surge Protector, showing the digital display, control buttons, and two power outlets.

LED INDICATOR & DIGITAL DISPLAY PANEL

Voltage and current status is clearly visible with low power consumption

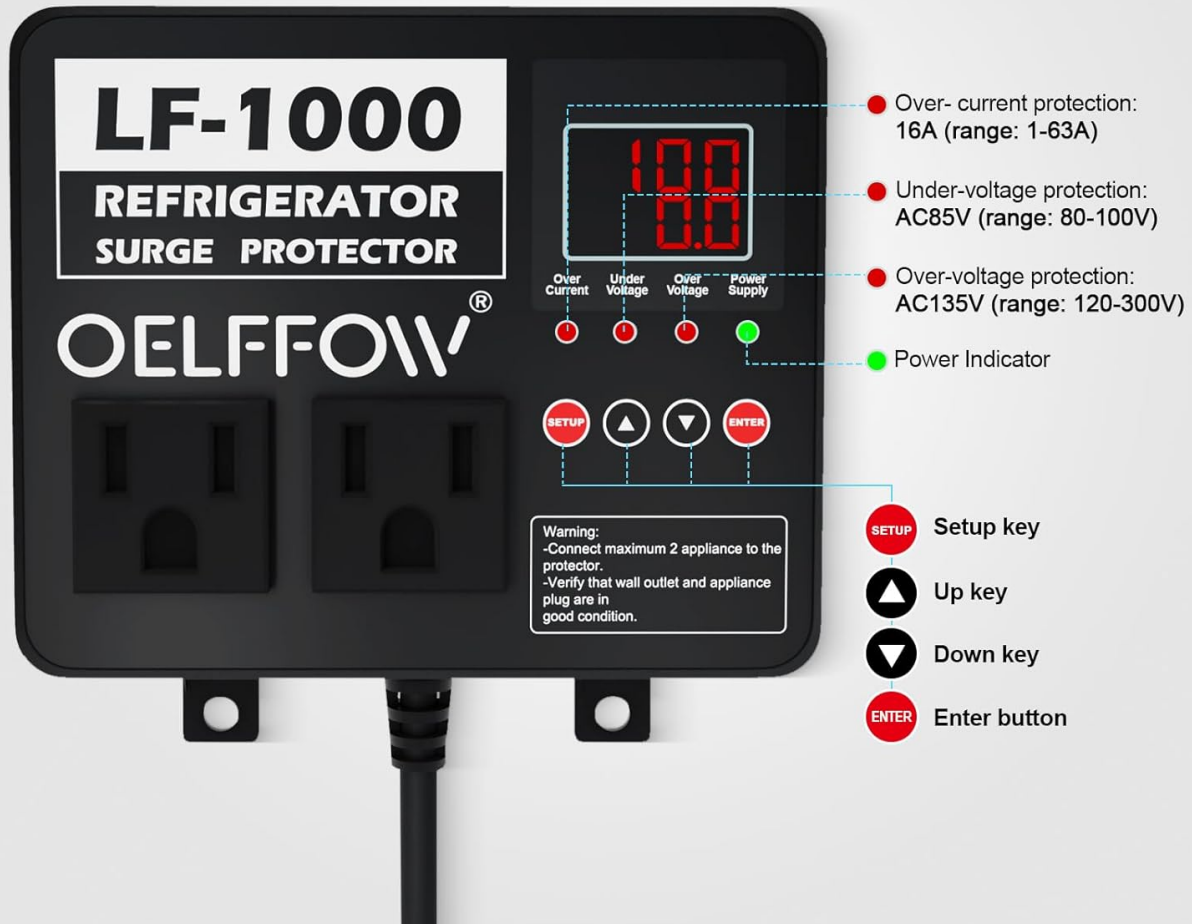


Figure 2: Close-up of the LED indicator and digital display panel, illustrating indicators for Over Current, Under Voltage, Over Voltage, and Power Supply, along with the SETUP, Up, Down, and ENTER buttons.

4. SETUP AND INSTALLATION

The OELFFOW LF-1000 Refrigerator Surge Protector is designed for easy wall mounting.

Installation Steps:

1. **Choose a Location:** Select a dry, indoor location near the appliance(s) you wish to protect, ensuring adequate ventilation.
2. **Mount the Protector:** Use the provided mounting screws to securely attach the surge protector to a wall. Ensure it is stable and not easily dislodged.
3. **Connect to Power:** Plug the surge protector's power cord into a standard 110 VAC wall outlet.
4. **Connect Appliances:** Plug your refrigerator and/or other appliances into the two outlets on the surge protector. Ensure plugs are fully inserted.

2 IN 1

A professional surge protector can protect 2 devices from surge damage simultaneously



Figure 3: Illustration of the surge protector connected to a refrigerator and another appliance, demonstrating its dual outlet capability.

5. OPERATION

Once connected, the surge protector will begin monitoring the electrical supply. The digital display will show real-time voltage and current data.

Understanding the Display:

- The digital display shows current voltage and current draw.
- LED indicators illuminate to signal specific protection states: Over Current, Under Voltage, Over Voltage, and Power Supply.

Customizing Settings:

The surge protector allows you to customize protection parameters using the four control buttons:

- **SETUP Key:** Press to enter the settings menu.
- **Up/Down Keys (▲ / ▼):** Use these buttons to adjust values when in the settings menu.

- **ENTER Key:** Press to confirm your selected value and move to the next setting or exit the menu.

You can adjust the following parameters:

- **Rated Current:** Adjustable from 1-63 A (Default: 16 A)
- **Overvoltage Protection:** Adjustable from 120-300 V (Default: > 135 VAC)
- **Undervoltage Protection:** Adjustable from 80-100 V (Default: <85 VAC)
- **Reset Time After Failure:** Adjustable from 1-120 S (Default: 20 S)

Note: Adjust settings carefully. Incorrect settings may prevent your appliances from operating or reduce protection effectiveness.

6. MAINTENANCE

The OELFFOW LF-1000 Refrigerator Surge Protector requires minimal maintenance.

- **Cleaning:** Periodically wipe the exterior of the device with a soft, dry cloth. Do not use liquid cleaners or abrasive materials.
- **Inspection:** Regularly inspect the power cord and plugs for any signs of damage or wear. If damage is found, discontinue use and replace the unit.
- **Ventilation:** Ensure the device is not covered or obstructed, allowing for proper airflow.

7. TROUBLESHOOTING

If you encounter issues with your OELFFOW LF-1000 Refrigerator Surge Protector, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power to appliances	Surge protector is off or tripped; Wall outlet has no power; Appliance is faulty.	Check if the surge protector's power indicator is on. Verify the wall outlet is functional. Unplug and replug the appliance. If the protector tripped, it may reset automatically after the set delay time.
Digital display is blank	No power to the surge protector.	Ensure the surge protector is securely plugged into a live wall outlet. Check the circuit breaker.
Protection indicator (e.g., Over Voltage) is lit	Electrical disturbance detected.	The device is actively protecting your appliance. It will automatically restore power after the set delay time once conditions normalize. If it persists, consult an electrician.
Cannot change settings	Not in settings mode; Buttons not pressed correctly.	Press the SETUP key to enter settings. Use the Up/Down keys to adjust values and ENTER to confirm.

If the problem persists after attempting these solutions, please contact OELFFOW customer support.

8. SPECIFICATIONS

Feature	Specification
Brand	OELFFOW
Model	LF-1000
Color	Black
Material	PC & Copper
Total Power Outlets	2
Power Cord Length	3.28 FT (1 meter)
Rated Current	16 A (Adjustable: 1-63 A)
Operating Voltage	110 VAC
Electrical Lifespan	≥ 4000 Cycles
Mechanical Lifespan	≥ 100000 Cycles
Reset Time After Failure	20 S (Adjustable: 1-120 S)
Overvoltage Protection	> 135 VAC (Adjustable: 120-300 V)
Undervoltage Protection	<85 VAC (Adjustable: 80-100 V)
Package Dimensions	6.42 x 5.83 x 2.32 inches
Item Weight	14.9 ounces
Mounting Type	Wall Mount
Wire Gauge	16 AWG
Special Feature	Surge Protection, Time Delay, Real-time Display

PRODUCT PARAMETERS



Brand: OELFFOW	Mounting Type: Wall Mount	Operating Voltage: 110 VAC
Color: Black	Wire Gauge: 16 AWG	Rated Current: 16 A (Adjustable Range: 1-63 A)
Material: PC & Copper	Power Cord Length: 3.28 FT	Under-Voltage Protection: 85 VAC (Range: 80-100V)
Total Power 2	Special Feature: Surge Protection	

Figure 4: Diagram illustrating the product dimensions and a summary of key technical parameters.

WIDE RANGE OF APPLICATION



Figure 5: Examples of appliances compatible with the surge protector, including dishwashers, refrigerators, microwaves, and washing machines.

9. WARRANTY & SUPPORT

OELFFOW products are manufactured with quality and reliability in mind. For specific warranty information, please refer to the product packaging or contact OELFFOW customer support directly.

Customer Support:

If you have any questions, require technical assistance, or need to report an issue, please contact OELFFOW customer support through the retailer where the product was purchased or visit the official OELFFOW website for contact details.

