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> SVP-719 40A 63A Din Rail Dual Display Adjustable Over Voltage Current and Under Voltage Protective Device Protector Relay User Manual

JIANGFAN SVP-719

SVP-719 Din Rail Dual Display Adjustable Protective Device User Manual

MODEL: SVP-719 (40A/63A)

1. Introduction

The JIANGFAN SVP-719 is an advanced Din Rail mounted protective device designed to safeguard electrical appliances and circuits from over-voltage, under-voltage, and over-current conditions. Featuring a dual digital display, it provides real-time monitoring of voltage and current, along with adjustable protection parameters. This manual provides comprehensive instructions for installation, operation, and maintenance of the device.

2. Safety Information

- Always disconnect power before installation or maintenance to prevent electric shock.
- Installation should be performed by a qualified electrician in accordance with local electrical codes.
- Ensure the device's rated current and voltage match your application requirements.
- Do not operate the device in wet or damp conditions.
- Verify all connections are secure to prevent loose contacts and overheating.

3. Product Overview

The SVP-719 features a compact design for Din Rail mounting, making it suitable for various electrical panels. It includes a clear dual-line LED display for voltage and current, along with indicator lights for power and protection status. Control buttons allow for easy parameter adjustment.



Figure 3.1: Front view of the SVP-719 protective device, showing the dual display and control buttons.



Figure 3.2: Side view of the 40A model of the SVP-719, highlighting its compact Din Rail design.



Figure 3.3: Front view of the 63A model of the SVP-719, showing the display indicating 63A current capacity.

4. Setup and Installation

4.1 Mounting

The SVP-719 is designed for standard 35mm Din Rail mounting. Simply clip the device onto the Din Rail in your electrical distribution box. Ensure it is securely fastened.

4.2 Wiring Diagram

Refer to the wiring diagram below for correct connection. The device has clearly marked 'IN' (Input) and 'OUT' (Output) terminals for Line (L) and Neutral (N) connections. It is crucial to connect the device in series with the load it is protecting.

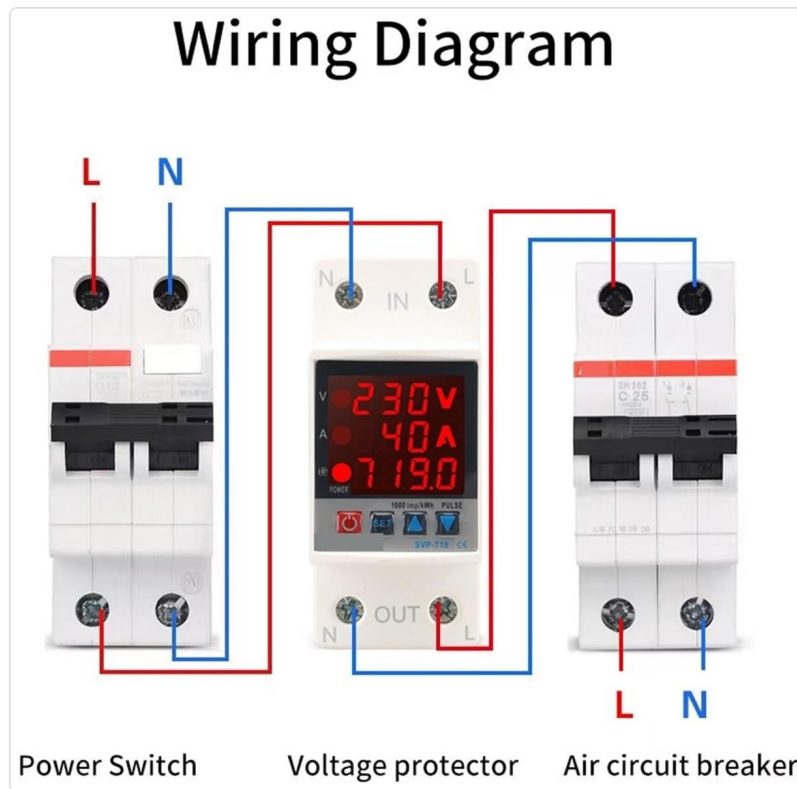


Figure 4.1: Wiring diagram for the SVP-719 protective device, showing connections between a power switch, the protector, and an air circuit breaker.

1. Connect the incoming Line (L) and Neutral (N) wires from your power source to the 'IN' terminals of the SVP-719.
2. Connect the 'OUT' terminals of the SVP-719 to the Line (L) and Neutral (N) inputs of the circuit or appliance you wish to protect.
3. Ensure all connections are tight and properly insulated.

5. Operating Instructions

5.1 Display Information

Upon power-up, the device will display the current voltage and current readings. The red indicator lights next to 'V' and 'A' will illuminate to show which value is being displayed. The 'POWER' indicator light will be on when the device is powered.

5.2 Setting Parameters

The SVP-719 allows adjustment of over-voltage, under-voltage, and over-current protection thresholds. Follow these steps to configure settings:

1. Press the **'SET'** button to enter the setting mode. The first parameter will start flashing.
2. Use the **'UP'** (triangle pointing up) and **'DOWN'** (triangle pointing down) buttons to adjust the value of the flashing parameter.
3. Press **'SET'** again to confirm the value and move to the next parameter.
4. Repeat steps 2 and 3 for all desired parameters.
5. After setting the last parameter, press **'SET'** one more time to save all changes and exit the setting mode. If no button is pressed for a few seconds, the device will automatically save and exit.
6. To manually reset the device after a protection trip, press the **RESET** button (often marked with a power symbol).

6. Maintenance

The SVP-719 is designed for minimal maintenance. Periodically inspect the device and its connections for any signs of damage, loose wiring, or overheating. Ensure the ventilation slots (if any) are clear of dust and debris. Do not attempt to open or repair the device yourself; refer to qualified personnel for service.

7. Troubleshooting

Problem	Possible Cause	Solution
Device does not power on.	No input power; incorrect wiring.	Check power supply and wiring connections.
Device trips frequently.	Protection parameters set too low; actual voltage/current exceeds limits.	Adjust protection thresholds to appropriate levels; check load for faults.
Display shows erratic readings.	Loose connections; electrical interference.	Tighten all wiring connections; ensure proper grounding.
Device does not reset after trip.	Fault condition still present; manual reset required.	Resolve the underlying fault; press the reset button.

8. Specifications

Parameter	Value
Model	SVP-719
Rated Current	40A / 63A (depending on variant)
Rated Voltage	230V AC
Over-voltage Protection Range	Adjustable
Under-voltage Protection Range	Adjustable
Over-current Protection Range	Adjustable
Display	Dual LED (Voltage, Current)
Mounting	35mm Din Rail
Dimensions	Approx. 1.18 x 0.79 x 0.39 inches (Package Dimensions)
Item Weight	Approx. 1.76 ounces

9. Warranty and Support

This JIANGFAN product is manufactured to high quality standards. For specific warranty information, please refer to the product packaging or contact your point of purchase. For technical support or inquiries, please reach out to JIANGFAN customer service through the official channels provided with your product or on the manufacturer's website.

