



Smart Central Power Protection System



made in iran

Company Introduction

Parsa Industrial and Commercial Group was established with the goal of manufacturing medical and laboratory equipment, producing various electronic, mechanical, and aerospace circuit boards, and designing and manufacturing a wide range of single-phase and three-phase surge protectors.

The company is also engaged in the design and production of electronic, aerodynamic, and mechanical components and devices, as well as providing technical services, maintenance, supervision, and consulting in the fields of electrical, mechanical, and electromechanical installations and projects. Relying on a strong and efficient research and industrial team, Parsa Group focuses on developing knowledge-based and high-tech products.

The company's motto, "Research and Development through Experience and Knowledge," reflects its commitment to innovation and quality, striving to deliver reliable and high-performance products to the market.

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Features:

- ✓ Fast detection of voltage fluctuations in the shortest possible time
- ✓ Gas leak detection sensors
- ✓ Communication with the owner (via SIM card)
- ✓ Emergency lighting system
- ✓ Input voltage and current consumption indicators
- ✓ Monthly consumption reporting capability
- ✓ L-command compatibility
- ✓ Smart power cut-off in emergency situations
- ✓ 24-hour after-sales service
- ✓ 24-month warranty

Introduction

Voltage fluctuations may occur due to various factors such as power line interruptions, sudden changes in electricity consumption by neighboring homes (caused by switching on or off high-power appliances), or regional electrical network issues. In such cases, protecting electrical devices and equipment becomes essential.

The Smart Central Surge Protector is one of the most important protective devices, installed at the main power entry point of a building. It safeguards all electrical appliances, lighting systems, and equipment connected to the power outlets throughout the building.

When the voltage level remains within the standard range, the device allows normal operation without interference. However, as soon as the voltage rises or drops beyond the safe threshold, it reacts immediately — disconnecting the unstable power and preventing it from reaching connected devices. Once the voltage stabilizes within the safe range for a defined period, the system automatically restores the power supply.

Sudden power fluctuations or outages can cause serious and sometimes irreversible damage to electrical appliances. The best way to prevent such damage is by using a Smart Central Surge Protector at the main electrical input of the building.

When the input voltage is outside the defined operating range, the device automatically cuts off its output and the red indicator light turns on. When the voltage returns to normal, the red light turns off and the yellow light indicates the delay time before power restoration. Finally, when the system is stable, the green light turns on, and the protected devices are safely powered again.

In this way, all electrical equipment in the building remains protected against voltage fluctuations or sudden power interruptions — ensuring safety and reliability at all times.



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