

Introducing the Limex Energy Saver

Reduce your electricity bill up to 30%



The Best Electricity Saver with the best results, the best quality & the best price in the market

What is the LIMEX ENERGY SAVER?

Suitable for Homes, and commercial sites such as Supermarkets, Malls, Shops, Department Stores, Hotels, Offices, Hospitals, etc.

The Limex Energy Saver is a new concept in power saving devices. It saves electricity by regulating the voltage in the power lines and it also absorbs the electrical surge in the system.

Benefits of the Limex Energy Saver

1. Reduces your monthly electricity bill up to 30%
2. Stabilizes the incoming voltage
3. Plug and use – No Wiring Required
4. Built-in powerful lightning surge protector
5. Improves power factor and electrical efficiency
6. Environmentally friendly
7. Fully compliant with safety standards
8. Rapid Return on Investment
9. Maintenance free
10. Protect the appliances and prolong their life

This advanced capacitor stores the additional electricity needed for stabilizing electric current within an inductive load.

Warranty - This product is warranted for 5 years against any manufacturing defect of the components.

More Loads, More Savings

- More savings on Inductive loads (A/C, refrigerator, freezer or any cooling appliances, washing machine, dryer and etc.)
- Less saving on resistive loads (bulbs, flat iron, boiler, heater and etc.)
- Medium saving on complex loads (television, video and sound player, computers, etc.)

Product Features

This product uses a unique combination of analog and digital technology to provide protection for equipment against disturbances to the AC voltage without any decrease in efficiency to the devices connected. This unit also measures both "instantaneous" and static power factor and dynamically corrects power factor.

- By monitoring the Voltage input, this device will automatically remove spurious "glitches" from the power source. By removing these glitches, efficiency of devices connected may be improved.
- Provides protection against excessive voltage spikes caused by power surges and lightning strikes.
- The **Limex Energy Saver** consumes a miniscule amount of power to provide this increased protection and efficiency.
- Designed to be used with multiple products to provide optimum energy saving.
- Convenient and easily installed.

Energy costs are computed by "multiplying" input voltage and input current (KVA). If the "Power Factor" is 1, KVA and "power" are the same. If the power factor is less than 1 KVA is greater than "power" with a resultant increase in operating cost.

Measuring power factor separately from voltage "disturbances" provides an optimum solution. Power Factor may be defined simply as the cosine of the phase angle between "Input Voltage" and "Input Current". If the voltage and current are in phase, the cosine will have a value of 1. If the voltage and current are 90 degrees out of phase the cosine will have a value of 0. These two conditions represent a power factor that ranges from ZERO to ONE. An acceptable range of power factor is a minimum of 0.85.

The **Limex Energy Saver** monitors the input Voltage waveform and automatically "smoothes" this waveform when voltage disturbances are detected. These disturbances may be either external or caused by equipment connected. Filtering the waveform can provide some improvement in power factor. However, this filtering may not provide adequate improvement of the power factor. This improved unit monitors both voltage and current and adds a reactance until a threshold power factor of 0.99 is met under all conditions whether caused by "voltage disturbances" or static power factors that are less than 0.99.

The long-term effect of instantaneous voltage and current "spikes" are the formation of a carbon oxide layer in switching devices, experiments have proven that this carbon oxide layer will degrade the efficiency of electronic components. This loss of efficiency is removed by using the "**Limex Energy Saver**", since the carbon oxide layer is prevented from being created. If the carbon oxide is already present it will be "peeled away" gradually and the effected component will return to operating at optimum efficiency, reducing energy costs due to improved system efficiency.