

GREENENERGY



SERVICES

Refrigeration Economizer Package

Green Energy Services Refrigeration Economizer Package (*REP*) is helping is helping commercial, educational, retail, office, and multi-family customers implement cost-effective, high performance technology solutions for energy management. Our *REP* is a comprehensive solution that can easily be deployed without interruption to daily operations. No other refrigeration package will lower your energy bill as much as our *REP*, all while reducing energy consumption, and providing you with a cost-effective, no hassle solution.

Package Components

ECOMISER ECO-RU: The ECO-RU is a microcomputer controlled, electronic device that automatically adjusts the compressor cycles to achieve the greatest efficiency and reduce electrical usage. The ECO-RU analyzes the demands and thermal characteristics of the entire refrigeration system, and dynamically modifies the compressor cycle pattern. These new patterns result in less frequent and more efficient compressor cycles. The ECO-RU will typically reduce electrical consumption 10%-20% when installed on commercial refrigeration/freezer systems.

ECOMISER ECO-CU: With the ECO-CU, the thermostat regulates the refrigeration temperature based upon food temperature rather than air temperature, thereby maintaining food at the proper temperature. When fitted to the thermostat sensor, which controls the compressor, the ECO-CU significantly reduces the frequency of the refrigeration cycles which are now based on food temperature rather than fluctuating air temperature. By using the ECO-CU as a cycle control mechanism, refrigeration cycles last longer but can be reduced by as much as 85%.

ECOMISER ECO-PO: The ECO-PO power optimizer works to reduce heat and electrical vibration by stabilizing the current and training the electrons to flow more efficiently. The result is a lengthening of the electric wave and a narrowing of the flow along the center path of the conductor. A more efficient current meeting less resistance along the path of the conductor gets more of the purchased power directly to the workload. The ECO-PO can reduce energy consumption 8%-25%.

ECOMISER ECO-LUBE: Designed for use in refrigeration, air conditioning, and any hermetically sealed lubrication system, ECO-LUBE gives new life to bearings, seals and compressor parts. Using ECO-LUBE is a quick, simple and cost effective way to lower the operating and maintenance costs of these systems resulting in increased cooling capacity, decreased electricity consumption, and reduced compressor noise. By adding only 5% by volume mixture of ECO-LUBE with the compressor's refrigeration oil, energy costs can drop from 8%-20% depending on the condition of the system.



Package Characteristics

- Easy to deploy.
- Lowers your energy consumption an average of 8% - 25%.
- Allows your refrigeration systems operate as efficiently and safely as possible.
- Reduces maintenance costs.

Energy Savings

Our *REP* is helping a wide variety of facilities reduce their energy consumption, by deploying a cost effective retrofit solution designed specifically for old and new facilities.

Typically a 8-25% energy savings with paybacks less than 24 months can be realized using *REP* depending on utility rates and type of refrigeration systems.

With the *REP* your actual energy consumption goes down. So not only are you saving money on energy costs, but you actually save electrical energy. Make a positive impact on your utility bill and your environment with the *REP*.