Introducing Savastat LC

Reduce Fuel Consumption by 15% Guaranteed

Savastat LC employs another level of intelligence to hot water heat boiler system controls. By monitoring the return water temperature and rate of temperature decay (return temp. at the boiler) it can determine the load on the system. This allows for small adjustments to be made in mean system temperature, that often accumulate to savings in excess of 20% reduction in fuel consumption and associated costs.

Microprocessors have revolutionized control systems in recent years. The Savastat processor samples the system twice per second, so it is working in 'real time' to compute savings potentials. It doesn't use historic data to try to 'out think' the system and predict what might happen. As we all know, weather changes can be dramatic and short term, often fooling devices that try to predict system demands.

What Savastat LC Will Do:

- **Reduce energy consumption by 15% or more. Guaranteed.**
- **Reduce boiler maintenance costs and excessive wear on system by reducing short-cycling of the boilers.**
- **Work with existing boiler controls such as weather compensation controls, optimizers and building management systems.**
- **Install easily with minimal required downtime.**

Principle of Load Compensation

Savastat works under the principle of Load Compensation. When a boiler (or boilers) is at maximum demand (early morning start up, for example), Savastat will take no action because there will be no opportunity to make a saving. At any other time when a full load condition does not exist (when the space/room temperature is nearing its set point of 66 - 70 degrees F, for example), Savastat will make savings by adjusting the boiler operating temperature in relation to these reduced load conditions.

Savastat achieves this savings by measuring the RATE OF TEMPERATURE LOSS of the return water to the boiler and applying a level of intelligence to the boiler thermostat to prevent the boiler from firing wastefully. Status lights on the unit confirm when savings are being made. This action does not affect comfort levels because Savastat will never prevent hot water from being delivered to the radiators or other heat emitters.

Organizations Using Savastat:

Gold Kist, GA Dept. of Juvenile Justice, University of West GA, National Westminster Bank, Regent Inns, Buckingham Palace, Mercedes Benz, Penguin Books, Epson Computers, American Community Schools, Akron Baptist Temple, and MANY others!

Over 35,000 installations Globally!

TOP PRODUCT
Professional HEATING PLUMBING INSTALLER
1992
WINNER

PRODUCT of the YEAR
Professional HEATING PLUMBING INSTALLER
1995
WINNER

Savastat LC Model-500

Savastat LC is an appropriate upgrade on all traditional low water temperature boilers using radiators and heat exchanger space heating, except for those implementing modulating control systems. Some hot water loop process boiler systems are compatible as well. Check with your Savastat Representative for details concerning non space-heat applications, and to determine if Savastat LC may help your organization lower operating costs.

Savastat LC's status lights indicate which mode the device is currently in. If none of the status lights are illuminated there is no 'call for heat' by the boiler thermostat, this means the boiler thermostat circuit is open and the boiler's burner is off.

IDLE: When the boiler thermostat initially calls for heat, the yellow idle light is illuminated for a 30 second delay while Savastat computes what action to take next. Savastat is analyzing the system status in "real time" to determine if heat is needed to be put into the system, or savings can be achieved by holding the burner off.

SAVE: When only one green save light is illuminated it indicates that Savastat has entered a save mode preventing the boiler from firing while the computation involved is looking at how fast the return water temperature is dropping **away** from the set reference temperature.

BOOST: When both the save light and the boost light are illuminated Savastat has entered a save mode while the computation involved is looking at how fast the return water temperature is dropping **towards** the set reference temperature.

RUN: The red run light will be illuminated when Savastat has finished its active mode and allows the boiler to fire. When the boiler finishes its burn, this light will go out and the cycle will repeat the next time the boiler gets a 'call for heat', and is asked to burn.

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