

Your Energy SavingsSM Business Program

Boiler Reset Controls



Boiler master controls reduce boiler cycles and provides optimal control of boiler firing rates, typically resulting in a 5-15 percent savings on your fuel bill.

A boiler reset control is a standard energy management tool that you can use to save energy and save money. This fact sheet provides an overview of boiler reset controls and what you can do to lower your operating expenses.

Your Incentives to Save

DTE Energy's Your Energy Savings Program offers cash incentives to help business customers reduce their energy use. These incentives reduce the up-front cost of installing more efficient equipment and make it easier for you to invest in energy efficiency. Since a portion of energy costs are a controllable operating expense, every dollar saved can make an impact on your bottom line.

Making it Easier to Save

The program offers incentives for an array of energy-saving technologies – electric and gas. Customers can pick from a prescriptive menu of projects with pre-set incentives or propose a custom project with verifiable energy savings.

To participate in the program simply follow these steps:

- Check your eligibility with program requirements
- Submit a pre-approval application to reserve your funding
- Install the eligible measures according to the application specifications
- Complete, sign and submit final application with all documentation within 60 days of project completion

Contact Us

We can help you understand the incentive requirements and available resources. You can contact us via letter, fax, e-mail or phone. You can also download incentive applications from the program website at:

YourEnergySavings.com

DTE Energy's Your Energy Savings Program

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A boiler reset control is a device that automatically controls the boiler water temperature of hot water boilers used for space heating. The water can be run a little cooler during fall and spring, and a little hotter during the coldest parts of the winter. This improves boiler efficiency and indoor comfort by providing a better match between boiler output and space heating needs.

A boiler reset control has been a standard energy management recommendation for several years and can save 5 percent of boiler energy costs in most commercial applications. Industrial space heating applications can range even higher, depending on the size of the heat distribution system (ie: system losses are higher from larger systems full of hotter than necessary hot water).

Boiler distribution systems are designed to operate at the coldest outdoor temperatures however, they seldom actually operate under these conditions.

Boiler master controls optimize operation, reducing total fuel usage and carbon emissions – saving money and reducing air pollution.

Turning down the boiler water temperature can:

- Improve boiler efficiency by not having to heat to as high of a temperature
- Improve indoor comfort with less intense heat coming off radiators
- Reduce standby losses from pipes and radiators
- Reduce losses to unheated spaces if boiler pipes pass through them

The advantages of doing this with an automated control are:

- Consistent settings to help your boiler perform optimally
- Handles sudden temperature changes
- Reliable programming

How it Works

A boiler reset control has two temperature sensors – one outside the building and one in the boiler water. As the outdoor temperature goes up and down, the control adjusts the water temperature setting to the lowest setting that is meeting the building heating demand. There also are limits in the controls to keep a boiler from operating outside of its safe performance range.

For more information about the incentives offered for boiler controls, go to **YourEnergySavings.com**. In addition to boiler reset controls, we have a wide range of other energy saving incentives including steam trap replacement, boiler tune-ups and more.



YourEnergySavings.com

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