



BOSCH

Invented for life

Bosch Boiler Controls

Bosch Buderus 2107 Logamatic Control

The heart of any home heating system is the intelligent energy control. A Logamatic Control provides the ability to make finer adjustments than are possible by manually turning the boiler off and on or relying on traditional thermostats. The addition of a Room Sensor adds the ability to fine tune the temperature for optimum comfort. A Logamatic Control works with most Buderus boilers to complete your heating system and gives you convenient control.



Superior Heating Efficiency Through Intelligent Controls

Bosch Buderus 2107 Logamatic Control

Whether you heat by baseboard, panel radiators, hydro-air systems or radiant flooring, you can maintain a constant temperature in your home by using a Buderus Logamatic Control, eliminating the wide temperature swings of conventional heating systems. Its advanced microprocessor technology monitors inputs from indoor and outdoor sensors, compensates for the weather, and ensures consistent room temperatures. And unlike conventional systems, the Logamatic Control adjusts the water temperature to maintain a desired comfort level, eliminating chills and overheating.

Features

- ▶ Up to 30% lower fuel bills compared to other systems
- ▶ Unsurpassed heating comfort with increased efficiency
- ▶ Simple operation through digital display
- ▶ Suitable for residential and commercial applications
- ▶ Integration of all system design aspects with a single control
- ▶ Modular configuration adaptable for various applications
- ▶ Simplified installation with color-coded plugs



Buderus G215 boiler

The Logamatic 2107 with outdoor reset capability reduces fuel usage by as much as 30%. By monitoring outdoor as well as indoor temperatures (requires optional BFU), the 2107 maximizes fuel efficiency while delivering unmatched comfort.

Suitable for use with any of today's forced hot water heating options, the 2107 can be customized for your application with easy plug-in modules. Available options include a mixing valve control for radiant floor systems and a burner staging control. The burner staging control can operate a 2-stage or modulating burner or be used in dual boiler systems.

Boiler Operating Temperatures

The Logamatic Control optimizes the water temperature of the Buderus boiler, resulting in significant fuel savings. Conventional systems operate in a manner that targets a supply temperature of 180°F and does this every day of the entire heating season entire heating season--typically, from September to June in New England. However, the heating system is designed for the expected coldest day of the year, even though the outdoor temperature is less extreme most days.

The Logamatic recognizes this and calculates a target temperature that is below the 180°F temperature that conventional systems are using. The system targets a supply temperature based on the outdoor air temperature, current indoor air temperature and the desired room temperature. For every 3°F you can turn down the boiler water temperature, there is a 1% fuel savings.

2107 Optional Upgrades

Room Sensor

Use a Buderus BFU room sensor for indoor feedback on the main zone for optimum temperature control and maximum room comfort. This control features simple day temperature settings with manual day/night override buttons, LED display for system status, summer mode indicator light, and a “Boost” function for faster response during early morning operation.



Module FM241

The FM241 Module provides mixed temperature through a Buderus mixing station for low temperature applications such as radiant floor systems. An optional BFU room sensor is available for optimum control. The FM241 also enables you to program a separate setback schedule for the low temperature zone.

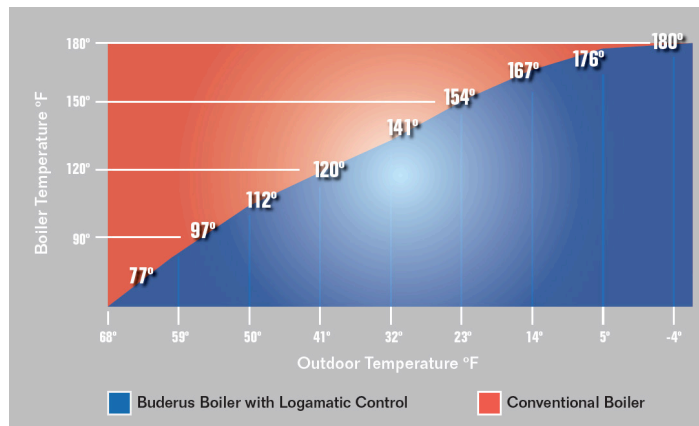
Module FM242

The FM242 Module is suitable for residential and commercial applications, giving firing control for dual boiler applications, modulating or two-stage burners. It allows burner staging on demand with dynamic burner differential, and features built-in burner hour run meters.

Module FM244

The FM244 Module integrates your Buderus Solar Domestic Hot Water system and your hydronic heating system. This ensures that you are heating your hot water in the most efficient and environmentally friendly way.

Conventional Boiler vs Buderus with Logimatic



Logamatic 2107 Feature Highlights

Approved as Oil Boiler Control	✓
Proven Buderus System Technology	✓
Buderus Blue Color	✓
Built-in System On/Off Switch	✓
Replaceable Fuse	✓
Manual Override Switch for Emergency Operation	✓
Low Water Cut-Off Operation	✓
Built-in Test Button to Verify System Wiring	✓
Advanced Microprocessor Design	✓
Operation Indicators	✓
Backlit Digital Display	✓
Dial Type Adjustments	✓
Ease of Installation	✓
Plug and Play Wiring	✓
Outdoor Sensor Included in Delivery	✓
Winter/Summer Changeover	✓
Freeze Protection	✓
Pump Exercising	✓
Reduces Condensation	✓
Programmable Day/Night Setback	✓
Vacation Mode	✓
Domestic Hot Water Priority	✓
DHW Sensor Included	✓
Freeze Protection for DHW tank	✓
Boiler Sensor and Well Included	✓
Available Indoor Room Sensors for Maximum Comfort and Efficiency	BFU Room Sensor
Ability to Control Mixing Actuator for Low Temperature Applications	FM241
Expandable to a Two Boiler Control	FM242
Ability to Control Solar	FM244

About Bosch

Bosch Group

The Bosch Group is a leading global supplier of technology and services in the areas of Automotive, Industrial Technology, Consumer Goods and Building Technology. The company was founded in Stuttgart, Germany, in 1886 and presently has more than 440 subsidiaries and is represented in over 150 countries.

In the U.S., Canada and Mexico, the Bosch Group manufactures and markets automotive original equipment and aftermarket solutions, industrial drives and control technology, power tools, security and communication systems, packaging technology, thermotechnology, household appliances and software solutions. The Bosch Group's products and services are designed to improving quality of life by providing innovative and beneficial solutions. In this way, the company offers technology worldwide that is "Invented for life." Additional information is available online at boschheatingandcooling.com and bosch.ca.

Bosch Thermotechnology in North America

Bosch Thermotechnology is a leading source of high quality water heating and comfort systems. The company offers gas tankless, electric whole house and point-of-use water heaters, Bosch and Buderus floor-standing and wall mounted boilers, Bosch and FHP geothermal, water-source and air-source systems as well as controls and accessories for all product lines. Bosch Thermotechnology is committed to being Simply Smart by offering products that work together as integrated systems that enhance quality of life in an ultra-efficient and environmentally friendly manner. For more information, visit boschheatingandcooling.com.



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