



BOSCH

Invented for life

Bosch NSC Boiler Controls

CZM100 | CRC100 | CRC200

Reduce fuel bills, emissions and save space by upgrading to a modern boiler control system. Boiler controls make a big difference to your heating system. With our condensing boilers already operating at peak efficiency, our range of controls give you an additional way of boosting your system's overall performance.





Why Use A Boiler Control

- ▶ Enhanced comfort
- ▶ Incremental fuel saving
- ▶ Programmable features to suit your lifestyle
- ▶ Increased efficiency, reliability & longevity

Meet the Bosch NSC Boiler Control System

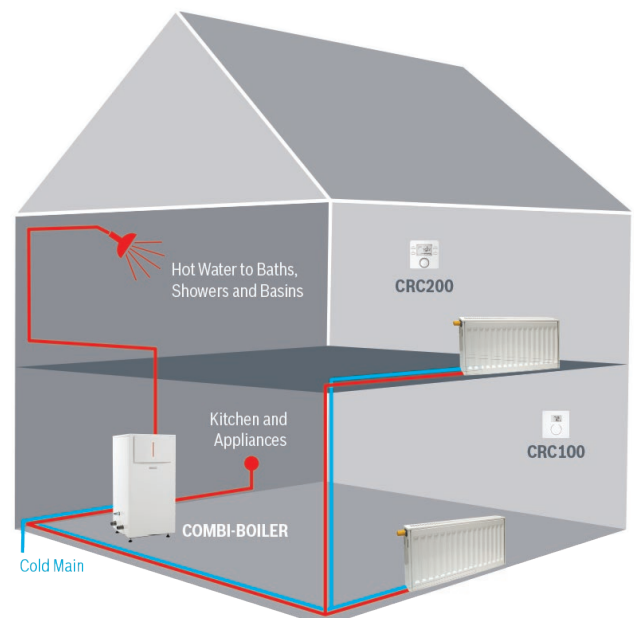
Boiler controls make a big difference to your heating system. With our condensing boilers already operating at peak efficiency, our range of controls give you an additional way of boosting your system's overall performance. Bosch boiler controls give you ability to precisely manage your system, as opposed to older controls which simply turn your boiler on and off. Similar to cruise control in your car, the Bosch controls work to deliver a steady comfort level, adjusting the boilers output based on the conditions, delivering consistent, efficient heating. By completing your Greenstar system with matching Bosch controls, you can fine tune your comfort levels, increase your boiler longevity, and experience incremental fuel savings.

Let the Intelligence Come into Your Home

Extend the boiler's lifetime by reducing firing at it's maximum output. Greenstar is ideal for providing comfortable heating and domestic hot water for small apartments, condominiums and single family homes within the 151,000 maximum BTU rating. Special insulation offers ultra quiet operation perfect for radiant heating with panel radiators, in floor radiant, or baseboards. Radiant heat, like the sun, warms objects rather than just the air, creating a greater sense of warmth and at lower room temperatures.

Load Compensation

The load compensation feature adjusts the temperature of the heat going to your radiators or other heat distribution systems. When a room is cold the boiler temperature will be high, but as the room warms up and less heat is needed, it lowers the boiler temperature so that comfort is maintained and energy usage is reduced.





Weather Compensation

The weather compensation feature adjusts the temperature of the heat going to your baseboards. However, it does so in keeping with the outside temperature. An outdoor sensor allows the control to monitor the weather, with radiators running hotter if the temperatures outside drop, ensuring a comfortable home.

Realize the maximum potential of your Bosch Greenstar heating system. The right control system is key to saving energy and will increase savings compared to your old standard on/off controls.

Ease of Installation and Set-Up

The NSC consists of the CZM100 and any of the Comfort Room Controllers, providing installers with a simple, boiler integrated, innovative plug and play control. The NSC controls are perfectly matched to the Greenstar for increased comfort and performance, while installation, wiring and setup are similar to other multi zone control systems in the market.



CZM100 Zone Manager

- ▶ Three zone control, expandable up to eight zones, can activate either circulator pumps or zone valves
- ▶ Reduces energy by adjusting boiler water temperature and firing rate due to changes in room temperature
- ▶ Operates the system at the lowest possible output in order to reduce room temperature swings, resulting in more consistent room temperatures and optimized fuel savings
- ▶ Warm weather shutdown, using an optional outdoor sensor, is available; when used with the CRC100 it is fixed at 70 °F, the CRC200 allows you to adjust the shutdown temperature setting



CRC100 Room Controller

- ▶ Simple, easy to operate thermostat with integrated temperature sensor
- ▶ Can be used in a single zone, or multi zone system. In multi zone systems CRC100 and CRC200 can be used in any configuration in conjunction with a required CZM100 module
- ▶ Added efficiency by providing the boiler with more than an on /off signal. It provides an exact supply temperature request to increase comfort and decrease energy consumption
- ▶ Preprogrammed with default settings for the most common application



CRC200 Room Controller

- ▶ CRC100 functions plus programmable time schedule, back lighting as well as push buttons for Menu, Auto-Run, Hold-Run and Back
- ▶ Integrated temperature sensor that can be used as a boiler control or in conjunction with the CZM100 as a room controller
- ▶ Operate the indirect water heater in parallel with the clock program or continuously
- ▶ Display outdoor temp when adding an optional outdoor sensor to the boiler

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.



Heating



Cooling



Hot Water



Controls

Bosch Thermotechnology Corp.

Watertown, MA • Londonderry, NH • Ft. Lauderdale, FL
General Inquiries: 1-866-642-3198

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