A Flexible Control Solution for Light Commercial and Large Scale Residential Applications.

The Heatronic 4000 is a cost effective control that works with up to four condensing and non-condensing boilers that are either modulating, single stage or two stage. Designed to accurately maintain target water temperature based on outdoor temperature reset or a fixed setpoint for space or process heating applications. Optional features to increase efficiency and boiler plant reliability include domestic hot water and setpoint heating, boiler run-time balancing, standby primary pump operation, and pump exercising.

Remote monitoring and adjustments for the Heatronic 4000 are possible with Building Automation Systems - BACnet® or Modbus®

Bosch and Buderus boiler parameters are pre-programmed in the Heatronic 4000 for ease of set up. Installing the Heatronic 4000 will save energy and further reduce the overall energy bill.

Features

- Control and monitor up to 4 boilers in any combination of condensing and conventional models
- BacNet® and Modbus® compatible
- Programmable scheduling DHW priority and Outdoor temperature reset
- Compatible with modulating, single stage, two stage and dual fuel burners, for NG, LP and oil fuel types
- Pre-configured with over 20 parameters for all Bosch / Buderus commercial boilers
Heatronic 4000  Small size, big functionality

Don't let its small size fool you, the Heatronic 4000 is a powerful control packed with functionality. Designed for easy and intuitive set-up, the Heatronic 4000 is pre-loaded with the parameters for Bosch and Buderus commercial boilers. Pre-programed options include fuel type, boiler type, high and low fire outputs, motor speed, pump purge time, maximum temperature output, and min/max modulation parameters.

Designed to prolong the lifespan of the equipment, the Heatronic 4000 provides system reliability and redundancy for added comfort and protection.

Maximizing energy savings and system reliability is achieved using sequencing based on target temperatures - either outdoor reset or fixed set point, automatically maintaining the boiler differential, primary pump sequencing, domestic hot water priority, set point operation and combustion air damper control all work together for optimal energy savings and system reliability.

The Heatronic 4000 communicates with a Building Automation System (BAS) using BACnet® or Modbus® for remote monitoring & adjustment capability.

* To communicate with Heatronic 4000 Control each GB boiler requires an EM10 control.

Schematic for Dual-Fuel  Boiler Control

The sample schematic is for an application using dual-fuel boilers. For additional application schematics please visit our website at www.boschheatingandcooling.com.

**DISCLAIMER:** Application drawings in this manual are conceptual only and do not purport to address all design, installation, code, or safety considerations. The diagrams in this manual are for reference use by code officials, designers and licensed installers. It is expected that installers have adequate knowledge of national and local codes, as well as accepted industry practices, and are trained on equipment, procedures, and applications involved. Drawings are not to scale. Refer to the boiler, control and module installer manuals for additional detailed information!