

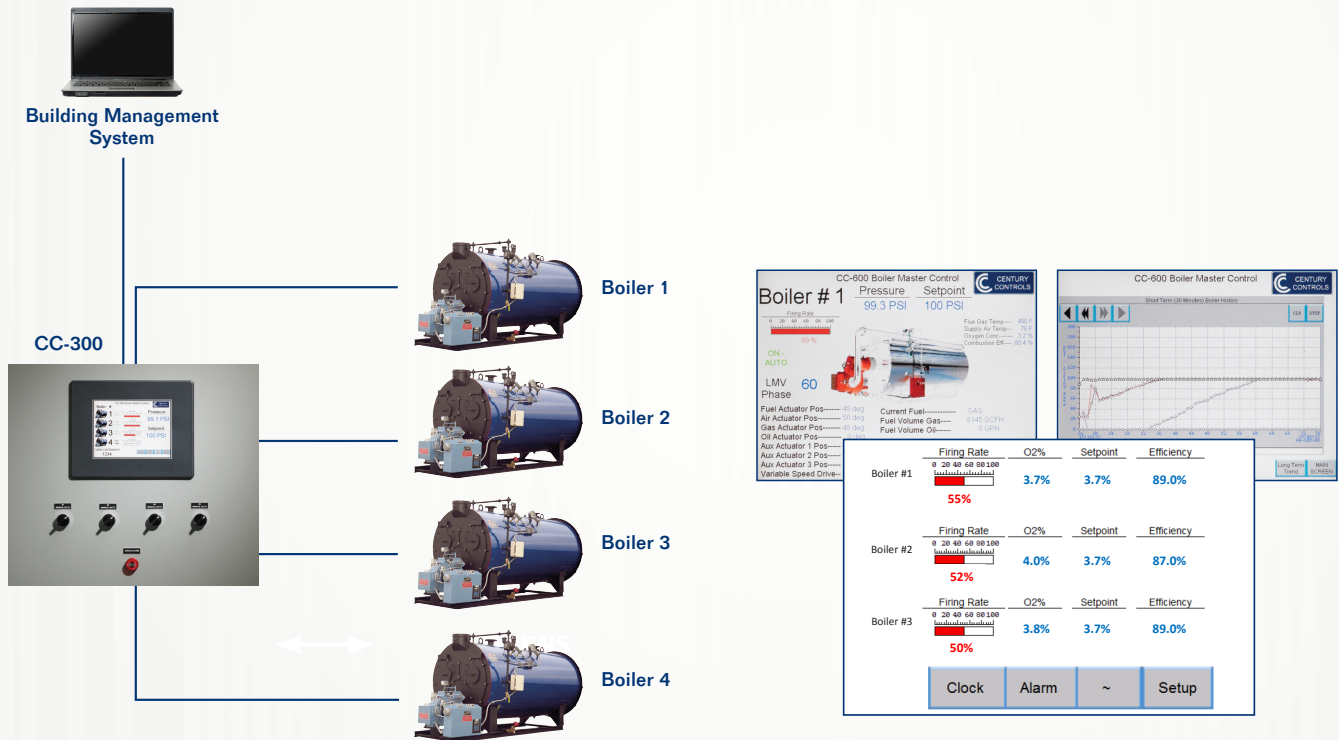
# CC-300 REAL-TIME BOILER OXYGEN TRIM CONTROL

THE ALGORITHM MAKES THE DIFFERENCE™



## Improve Boiler Combustion Efficiency

Even recently tuned boilers may start to operate inefficiently due to changes in fuel BTU's, temperature, humidity, barometric pressure and linkage wear. The CC-300 will continuously correct the burner's air/fuel ratio for these factors to deliver optimal combustion efficiency.



## Benefits

**LOWER FUEL COSTS:** Delivers complete fuel combustion maximizing usable heat energy

**REDUCE EMISSIONS:** Reduces carbon dioxide and carbon monoxide emissions

**VERSATILITY:** Flexible HMI set-up to optimally control your unique boiler equipment

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## Features

- Continuously monitor and correct air/fuel ratio in boilers
- Ten O<sub>2</sub> set points for precise control for all boiler firing rates
- Single- or dual-fuel boilers
- Secure color HMI with multi-level password protection
- Graphical display of boiler operation and on-screen trending
- Trim actuator with zero backlash and threadless screw design
- Oxygen analyzer with a zirconium oxide cell
- Low O<sub>2</sub> alarm
- Communication with your Building Management System



Trim Actuator w/Zero Backlash & Threadless Screw Design

## Specifications

Display .....8" color TFT touch screen with Ethernet port and SD memory port

Processor.....Programmable Logic Controller

Input.....4-20 mA or voltage DC

Memory.....Non-volatile

Power Requirements .....120 VAC, 50/60 Hz

O<sub>2</sub> Sensor .....Insitu type, zirconium oxide

Trim Actuator.....Threadless screw with zero backlash and mechanical stops.  
10 to 60 # adjustable thrust for mounting in existing linkage (air or fuel)

Ratings.....UL/CUL approved, NEMA 12 panel

Warranty .....Limited two-years with factory installation and start-up



O<sub>2</sub> Analyzer, with a Zirconium Oxide Cell

## Options

- Real-time calculation of combustion efficiency. Includes temperature RTD for each boiler stack.
- Carbon monoxide monitoring
- Advanced boiler lead/lag control with automatic load matching and idle boiler warm-up.
- Communication interfaces: BACnet IP, BACnet MS/TP, LON, Modbus RTU, Modbus TCP and JCI Metasys protocols
- Remote panel monitoring and control



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