

Edge Controller Retrofit

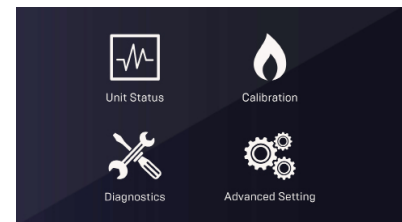
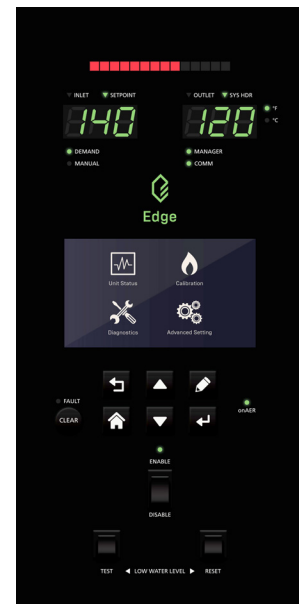
AERCO's advanced Edge® Controller is a revolutionary technology that works with Benchmark boilers and Innovation water heaters to deliver superior system performance, maximum efficiency and the lowest cost of ownership. Providing continuous benefit throughout the life cycle of AERCO heating and hot water systems from startup and operation, to maintenance and overall system performance, the Edge [i] Controller is now available for retrofit in your existing Benchmark and Innovation applications!

Seamless Integration

The Edge [i] Controller is easily integrated into existing C-More controlled units. Retrofit requires a simple substitution of entire controller. Field wiring interfaces are identical, making retrofit ideal for expansion projects. The Edge Controller can be easily integrated with a facility-wide Energy Management or Building Automation System through Modbus (Benchmark: Modbus RTU via RS-485; Innovation: Modbus RTU via RS-485 and Modbus TCP via Ethernet).

Simplify Startups and Troubleshooting

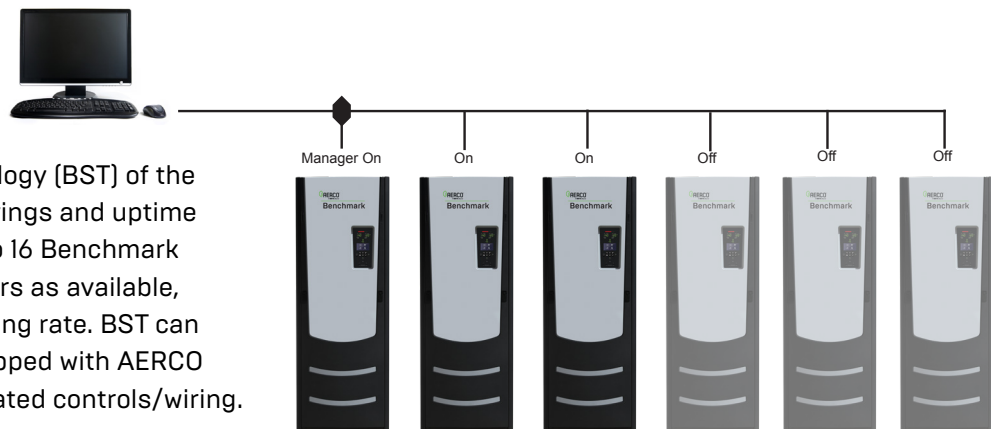
- Intuitive touchscreen and menu structure virtually eliminate programming errors. For added reliability, push buttons are included as backup.
- Save on programming time by uploading preconfigured settings from unit to unit via USB. The Edge controller firmware can be updated through the USB, making it easier to take advantage of new features that become available in the future.
- Ignition sequence visualization allows for easy root cause identification of failed step.
- View comprehensive unit and plant status including system temperatures, firing rate and motorized isolation valve status. Unit and plant event history provide detailed information on faults and warnings to help technicians troubleshoot efficiently.



Edge [i]

Boiler Sequencing Technology

The built-in Boiler Sequencing Technology (BST) of the Edge Controller maximizes energy savings and uptime reliability for plants consisting of up to 16 Benchmark boilers. The BST employ as many boilers as available, each operating at its most efficient firing rate. BST can be utilized on Benchmark boilers equipped with AERCO motorized isolation valves and associated controls/wiring.



Water Heater Management System

Water Heater Management system (WHM) efficiently sequences up to 16 Innovation water heaters to meet load requirements and minimize cycling and stand-by losses. The WHM optimizes system efficiency and load tracking, and balances unit run hours to significantly reduce service and maintenance costs. The WHM includes a unique manager/client backup feature that provides automatic bumpless transfer of manager functions to the next unit on the chain, in case of designated manager unit shutdown. WHM can be utilized on Innovation water heaters equipped with AERCO sequencing valves and associated controls/wiring.

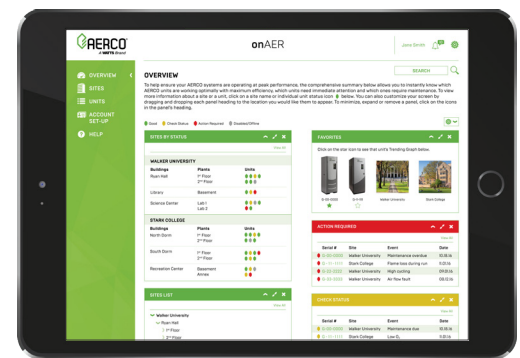


System Efficiency for Domestic Hot Water from the leader in Condensing Firetube Designs.

onAER Predictive Maintenance*

AERCO's onAER Predictive Maintenance is an affordable, easy-to-use health of system monitoring that enables users to view plant operation and status, track performance and efficiency, set and view alerts such as faults or maintenance, and more. onAER can be set to provide alerts to local AERCO factory-trained technicians, offering additional peace of mind, ensuring the utmost uptime reliability. onAER helps ensure your system operates at peak performance while reducing cost of ownership, prevents unnecessary wear-and-tear of your equipment and premature failure, and reduces unscheduled maintenance.

*Check with your local AERCO representative regarding availability by equipment model.



onAER Predictive Maintenance

Coming Soon for Innovation Applications

Experience full unit control and enhanced graphics with our Edge mobile app which functions as a high definition, large screen controller. Edge mobile app gives you full control functionality and freedom to move around the unit when configuring, diagnosing and troubleshooting. The mobile app allows users to conveniently submit service forms directly to AERCO tech support. Available on iOS and Android.



Edge Mobile App



Heating and Hot Water Solutions

AERCO International, Inc. • 100 Crittani Drive • Blauvelt, NY 10913
USA: T: (845) 580-8000 • Toll Free: (800) 526-0288 • AERCO.com