

Product Sheet - Model 7610 Boiler Control

Features & Benefits

- Up to 20% fuel savings while maintaining homeowner comfort
- Programmable circulator on/off delays for added energy savings
- Priority override available for domestic hot water applications
- Fully adjustable setpoints and differentials
- Freeze resistance function helps prevent frozen pipes
- Temperature Only or Temperature/LWCO sensors available
- Stores recent history to aid troubleshooting
- Expanded wiring box for easier installation
- Backlit LCD always displays water temperature and LWCO status
- Easy to install Wireless Outdoor Temperature Reset (optional)
- Oil and gas models can be configured for cold start boilers



7610 AquaSmart Boiler Control

Description

The Beckett AquaSmart is an advanced microprocessor-based boiler control designed to save energy without sacrificing homeowner comfort. The backlit LCD digital display and touch pad allow flexible programming of temperature limits, differentials, circulator control and other options. Recent cycle history is stored in the display to help technicians with diagnostics and troubleshooting. The display also shows the economized water temperature setting to confirm HeatManager™ is working. The ability to adjust the high and low limit differentials separately, as well as the temperature setpoints, means technicians can customize the settings to achieve optimal operation. In addition to precise temperature control, the 7610 can provide required low water cutoff protection when used with a Temperature/LWCO sensor. The 7610 AquaSmart is compatible with existing Beckett Temperature Only and combination Temperature/LWCO sensors.

HeatManager™ Functionality

HeatManager™ is an energy saving load-matching algorithm that meets Department of Energy (DOE) 2012 requirements. HeatManager™ saves fuel by dynamically changing the high limit operating temperature to the minimum temperature needed to meet the heating demand. In milder weather, when the full heating capacity of the boiler is not needed, the high limit setting is adjusted down to save fuel. Qualified service technicians can select the best HeatManager™ setting to align comfort and energy savings.



Example of LCD display screen

Wireless Outdoor Temperature Reset Module

The optional Wireless Outdoor Temperature Reset Module replaces the HeatManager™ function with true outdoor reset control. The outdoor sensor can be placed up to 200 feet from the boiler. The module includes warm weather shutdown, adjustable boost and can provide improved performance in high mass and infloor radiant heat applications.



