



# Sage Zone Control

Makes a condensing boiler actually condense



The best choice for any touchscreen-equipped  
Burnham brand condensing boiler



## FUEL SAVINGS

- Exclusive HeatMatch™ software calculates zone demand, and automatically adjusts maximum firing rates starting at low fire



## BOILER PROTECTION

- Reduces short cycling
  - Extends life of heating system components

## FAST INSTALLATION

- Plug & play – snap in RJ45 cable, no extra wiring needed
- Includes factory defaults for easy setup
- Control from boiler's touch screen display
  - Access settings & adjustments
  - Monitor BTUs and cycle history

## FOR ANY HYDRONIC HEATING SYSTEM

- Controls available for either circulators or valves
- Three-temperature versatility
  - Supports a mix of high & low heat radiation and/or indirect water heater



## ADDITIONAL FEATURES

- Advanced switching relay for non-modulating boilers
- Supports extra relays for Burnham-brand boilers
- Advanced freeze protection
- Configurable primary circulator output
- Priority protection
- DHW post-purge
- Circulator exercise
- Interconnectivity with other zone controls
- Front external indicator lights
- Sealed relays
- Fuse protection
- ZC/ZR connections also available
- Universal thermostat compatibility
- Factory tested
- UL approved

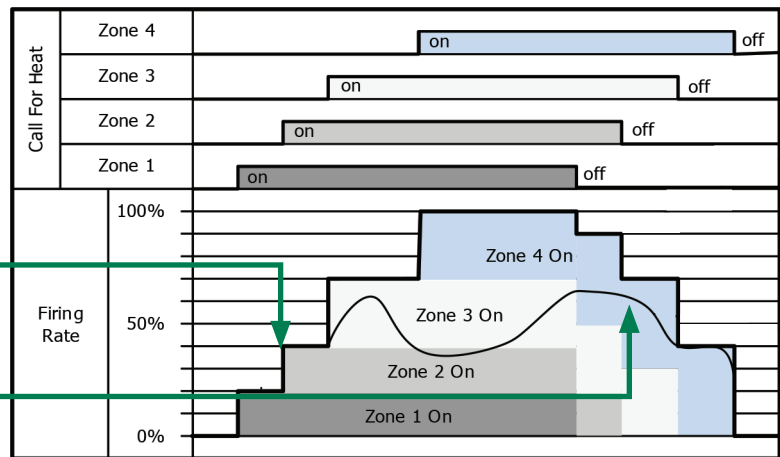
# Ultimate Fuel Savings & Boiler Preservation

**Less over-firing and short-cycling means less boiler wear**

**Summed** maximum firing rates for each zone on the coldest days

*and*

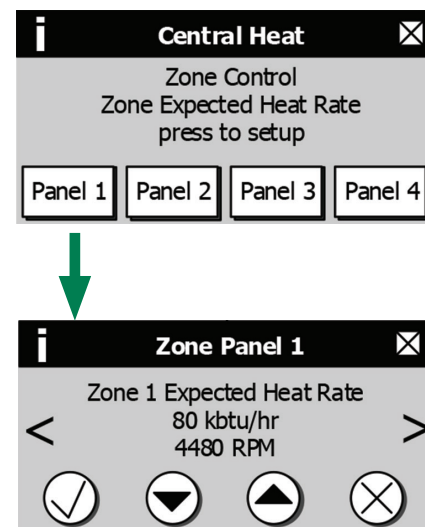
**Actual**, modulated firing rates on most other days



## HeatMatch™ is Easy...

**Factory pre-sets** provide a quick and easy out-of-the box heating solution.

**Custom zone control at your fingertips.** Interact with zone control and efficiency information via the touchscreen on Sage2.2 (or newer)-equipped Alpine, K2, and Aspen boilers.



## Sage Zone Control – Circulator Panel (104590-01) & Valve Panel (104589-01)

**RJ45 (Cat 5) cable included**

Panel	Zones	Input Voltage	Max Output	Enclosure (inches)		
				Width	Height	Depth
Valve Panel	4 W/ Priority	120/60/1 VAC	24 VA per zone 40 VA per transformer	12-1/4	8	3
Zone Panel			20 amps combined load	10-3/4	7	2-3/4

- Valve panel pump end switches are rated 1/6 HP, 5 amps at 120 VAC
- Circulator panel relay connections (incl. ZC/ZR) rated 1/3 HP (6 FLA, 36 locked rotor amps - LRA) at 120 VAC
- All thermostat RWC connections supply a 24 VAC class 2 output
- All boiler/EnviraCOM 123 connections supply a 24 VAC class 2 output
- Main and priority end switch connections are rated at 24 VAC, 1 amp

### Requirements for high efficiency condensing boilers

- Sage2.2/2.3 controller with version 3219.4716 or newer and LCD display; GT02r07 or newer, GT02L