



Get superior performance, improved accuracy and fuel efficiency with Honeywell ControlLinks™ microprocessor-based fuel air ratio controls on your burner equipment. Control accuracy to 0.1 degrees provides accurate fuel air ratio curves and improves combustion efficiency, which means fuel savings for you. It all adds up to more accuracy and efficiency, as well as less service and downtime.

# ControlLinks™ Fuel Air Control System



ControlLinks™ uses unique air curves and fuel curves, separate light-off points and different minimum and maximum modulation points. Innovative safety features include a unique potentiometer circuit, component anti-swap protection and curve verification algorithms.

The new S7999B programming display allows you to commission the ControlLinks™ Fuel Air Control System using the touchscreen with four color graphics. This eliminates the need for a laptop or PC for commissioning. Diagnostic information can be accessed for ControlLinks™ and for 7800 SERIES Controls using this display.

For more information about ControlLinks™ Fuel Air Control System, contact your Honeywell Representative, call 1-800-345-6770, ext. 423, or visit [customer.honeywell.com](http://customer.honeywell.com).

## SYSTEM COMPONENTS:

### R7999 FUEL AIR RATIO CONTROL

- Monitors and controls the burner fuel and air ratios to maintain proper combustion
- Provides LED status for power, alarm and motor drives
- Includes fault-annunciating LEDs

### S7999B CONTROLINKS SYSTEM DISPLAY (CSD)

- Optional tool that provides an interface for the entire burner/boiler system
- Large, full color, touchscreen display module
- Two additional LEDs indicate CSD power and communications

### Q7999 WIRING SUB-BASE

- For ease of installation, all wiring goes to this panel-mounted sub-base

### ML7999 UNIVERSAL PARALLEL-POSITION ACTUATOR

- Provides 100 lb./in. torque to control combustion air dampers, modulating fuel valves, oil modulation valves and flue gas recirculation (FGR) dampers
- Optimizes burner performance by providing precision potentiometer feedback to the R7999 control

### ZM7999 COMMISSIONING SOFTWARE

- Can be used to configure the R7999 control with online, step-by-step instructions
- Windows 95/98 compatible
- Can be used as a service tool to access fault history information
- Can be used to commission more than one ControlLinks system

### A7999 PORTABLE COMBUSTION ANALYZER

- Portable diagnostic tool (optional) expedites burner setup

## The Following ControlLinks™ Demos And Toolkits Are Also Available:

Item #	
DSP3548	ControlLinks Tool Kit
DSP3544	ControlLinks Demo
DSP3822	S7999B Demo

## Automation and Control Solutions

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