



**Achieve advanced burner control with Honeywell's ABC900 advanced process and logic control platform.**

With the ABC, critical burner and boiler management features can be integrated into a single compact platform with precise digital control. The ABC900 is an assembled control package including a controller, power supply and various I/O cards, tailored for use with burner and boiler applications. With knowledge of HC900 Designer software, you can program the

ABC900 to optimize your combustion efficiency and system reliability. For the power to meet your advanced burner and boiler control needs, turn to the Honeywell ABC900.

# ABC900 Advanced Burner Control

The ABC900 Advanced Burner Control is an advanced process and logic control with packaged components, tailored for burner and boiler applications. With HC900 Designer software, you can program for myriad applications including fuel air ratio control with dedicated actuator and VFD channels, oxygen trim control, PID load control, draft control, drum level control and many other possibilities. The ABC900 can also interface with programmable flame safeguard controls. With two platforms to choose from, the Honeywell ABC900 has the power to meet your burner and boiler application needs.



## ABC900 Platform Configuration:

Component Description	ABC900A1000 - Platform A -	ABC900B1009 - Platform B -
4 I/O Slot rack	1	
8 I/O Slot rack		1
Controller, C30 CPU	1	1
Power supply, 120/240Vac, 28W	1	1
8-Point universal analog input card		1
16-Point high level analog input card (V or mA)	1	1
4-Point analog output card (0-20mA)	1	3
16-Point digital input card (120/240Vac or 24Vdc)	1	1
8-Point digital output card (120/240Vac)	1	1
16-Point digital output card (24Vdc)		1
Terminal block, low volt, 36-pt	1	1
Terminal block, high volt, barrier	2	2
Terminal block, low volt, barrier	1	5
Shield terminal strip	1	2

## Learn More

For more information please contact your Honeywell distributor. Or visit <http://customer.honeywell.com>.

## Automation and Control Solutions

In the U.S.:

Commercial/Industrial Combustion Controls

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## Typical Applications

The ABC900 works with a wide variety of burners and boilers. Applications may include industrial, process and heating applications that require extended control and monitoring. The ABC900 is ideal for factories, schools, hospitals, universities, office complexes and commercial retail complexes.

## Specifications

### Components

- ABC900A1000 Platform A
- ABC900B1009 Platform B

### ABC Specifications

- Operating Temp: 32° to 140°F (0° to 60°C)
- Humidity: 10 to 90% RH, non-condensing
- Power Supply: 120-240 Vac, integral
- Component Approvals: CE, UL, CSA, CUL, FM Class 1, Div. 2

### Compatible Components

- RM7800 Programmable flame safeguard and accessories
- ML7999B1002 Actuator
- 201052B Auxiliary switch ay for ML7999B
- 50036542-001 Auxiliary switch bag ay
- MF020-x-LCx Oxygen sensors and accessories
- 2001-x00-090-EC Herculine motors, 100, 200, 400 in-Lbs and accessories