

# BCS-3000

Burner Control System

BCS3000-1  
Edition 07-08



Hauck, a product brand  
of the Elster Group



- Limits annunciation
- Improved troubleshooting
- System status annunciation
- Reduced downtime
- Temperature controller for precise control
- Minimal operator interaction
- Low fire mode
- Manual backup
- Dual fuel accommodation
- Single button start-up
- Flame signal indicator

[www.hauckburner.com](http://www.hauckburner.com)



The Hauck BCS-3000 provides simple reliable operation for installations requiring basic, pilot ignited single-burner control. Available in table top or drop-in configurations, the control panel provides all the necessary functions to safely and efficiently operate combustion systems commonly found on asphalt and rotary drying applications. The BCS-3000 combines the simplicity of relay-logic technology with a PLC-based status annunciator.



## APPLICATIONS

- Asphalt Plants
- Rotary Drying
- Rotary Kilns
- Thermal Oxidizers
- Soil Remediation Plants
- Single Burner Applications

The BCS-3000 monitors the limits circuitry and provides flame safety and temperature control. The temperature controller modulates the burner firing rate based on the difference between the process temperature and the controller's set point. A three position mode selector switch permits selection of burner control using the temperature controller, forced low fire or manual operation in the event of controller failure. The low fire mode allows the operator to quickly drive the burner to low fire without adjusting the temperature controller. Type J or K thermocouples are available.

The BCS-3000 incorporates a system and limits annunciator that provides basic status sequencing from start-up through production cycling. The back-lit message display furnishes first-out annunciation of safety limits which pinpoints the area of trouble.

The integrated annunciator significantly reduces troubleshooting downtime compared to conventional panels without limit annunciation. An LED flame signal indicator is provided as standard equipment.

Single button start-up is provided to speed up ignition sequencing and reduce operator interaction. To accommodate natural gas, fuel oil or propane operation, standard dual fuel selection capability is provided .

All BCS panels come fully equipped with a material thermocouple, stack thermocouple, exhaust flow switch and two UV flame detectors. Options include an auxiliary high temperature limit. Temperature recorders and draft control instruments are available as stand alone units.

For additional information on this product, visit our website at:

[www.hauckburner.com](http://www.hauckburner.com)

Hauck Manufacturing Company  
POB 90  
Lebanon, PA 17042

T +1 717-272-3051  
F +1 717-273-9882  
[info@hauckburner.com](mailto:info@hauckburner.com)

Hauck, a product brand  
of the Elster Group



Copyright © 2008 Elster Group