

BCS-3000

Burner Control System



Features

- Limit annunciation
- System annunciation
- Temperature controller
- Low fire mode
- Manual backup
- Dual fuel accommodation
- Single button start-up
- Flame signal indicator

Benefits

- Improved troubleshooting
- Reduced downtime
- Precise temperature control
- Minimal operator interaction



The Hauck BCS-3000 provides simple reliable operation for installations requiring basic single-burner control. Available in table top or drop-in configurations, the control panel provides all the necessary functions to safely and efficiently operate the single-burner 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.

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Combustion Excellence Since 1888

BCS-3000

BURNER CONTROL SYSTEM



ADVANTAGES OF THE BCS-3000

Reduced Troubleshooting

Reduced Downtime

Precise Temperature Control with Minimal Operator Interaction

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 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 – pinpointing 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.

APPLICATIONS

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



BCS3000 Display Panel

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

All BCS 3000 panels come fully equipped with a material thermocouple, stack thermocouple, exhaust flow switch, and two ultraviolet flame detectors. Options include an auxiliary high temperature limit. Temperature recorders and draft control instruments are available as stand alone units.