

Bolisila DBC2000G1019

Bolisila DBC2000G1019 Burner Controller LED Display User Manual

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient operation of your Bolisila DBC2000G1019 Burner Controller with LED Display. This device is designed as a flame amplifier for precise flame signal enhancement in industrial applications, ensuring optimal safety and operational efficiency. It features a play setup for quick integration with existing systems and is built with heat-resistant components to withstand high temperatures.



Figure 1: Bolisila DBC2000G1019 Burner Controller. This image shows the front view of the burner controller, highlighting its LED display and compact design.

2. SETUP

2.1 Unpacking

Carefully remove the burner controller from its packaging. Inspect the unit for any signs of damage during transit. Retain all packaging materials for future transport or return.

2.2 Mounting

Select a suitable location for mounting the controller, ensuring it is protected from excessive vibration, moisture, and direct heat sources beyond its operational limits. Secure the unit using appropriate fasteners through the designated mounting points.

2.3 Wiring

Connect the burner controller to the existing system according to the wiring diagram provided with your specific burner system. Ensure all electrical connections are secure and comply with local electrical codes. Pay close attention to power input, flame sensor input, and output connections to the burner components.

2.4 Initial Power-Up

After all connections are made, apply power to the unit. Observe the LED display for initial status indicators. Refer to the Operating Instructions section for details on interpreting display messages.

3. OPERATING INSTRUCTIONS

The DBC2000G1019 provides real-time monitoring to ensure optimal safety and operational efficiency of your burner system.

3.1 LED Display Overview

The integrated LED display provides visual feedback on the controller's status, flame signal strength, and any detected fault conditions. Specific display codes and their meanings are typically detailed in the burner system's comprehensive manual.

3.2 Monitoring Flame Signals

The controller continuously monitors the flame signal. A stable flame signal indicates proper burner operation. Fluctuations or absence of a flame signal will trigger safety protocols and may result in a system shutdown. Consult your burner system's documentation for expected flame signal ranges.

4. MAINTENANCE

4.1 Cleaning

Periodically clean the exterior of the controller with a soft, dry cloth. Do not use abrasive cleaners or solvents. Ensure the LED display remains clear and readable.

4.2 Inspection

Regularly inspect all wiring connections for tightness and signs of wear or corrosion. Check the mounting for security. Any signs of physical damage to the unit should be addressed immediately by a qualified technician.

5. TROUBLESHOOTING

This section outlines common issues and potential solutions. For complex problems, consult a qualified service technician.

5.1 No Power to Unit

- **Check power supply:** Ensure the power source is active and the circuit breaker has not tripped.
- **Verify wiring:** Confirm all power connections to the controller are correct and secure.

5.2 No Flame Signal Detected

- **Inspect flame sensor:** Ensure the flame sensor is clean and properly positioned to detect the flame.
- **Check sensor wiring:** Verify the flame sensor wiring is intact and correctly connected to the controller.
- **Evaluate burner operation:** Confirm the burner is igniting and maintaining a stable flame.

5.3 Error Codes on LED Display

If the LED display shows an error code, refer to the specific documentation for your burner system or contact technical support for interpretation and resolution steps. The DBC2000G1019 acts as an amplifier; specific error codes often originate from the primary burner control system.

6. SPECIFICATIONS

Feature	Detail
Model	DBC2000G1019
Brand	Bolisila
Package Dimensions	0.39 x 0.39 x 0.39 inches
Item Weight	2.2 pounds
Manufacturer	Bolisila
ASIN	B0F9KPJZ37
Assembly Required	No
Number of Pieces	1

7. WARRANTY INFORMATION

Specific warranty details for the Bolisila DBC2000G1019 Burner Controller are typically provided at the point of purchase or by the manufacturer. Please retain your proof of purchase. For warranty claims or inquiries, contact your seller or the manufacturer directly.

8. CUSTOMER SUPPORT

For technical assistance, troubleshooting beyond this manual, or spare parts inquiries, please contact the seller, JL Global Heavy Industry, or the manufacturer, Bolisila. Provide your product model number (DBC2000G1019) and ASIN (B0F9KPJZ37) when seeking support.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question