

Came 3199ZL92

Came ZL92 Electronic Board User Manual

Model: 3199ZL92

1. INTRODUCTION

This user manual provides comprehensive instructions for the installation, operation, and maintenance of the Came ZL92 Electronic Board. The ZL92 is a sophisticated control unit designed for automated gate systems, offering reliable and efficient control over various gate functions. Please read this manual carefully before proceeding with installation or operation to ensure proper functionality and safety.

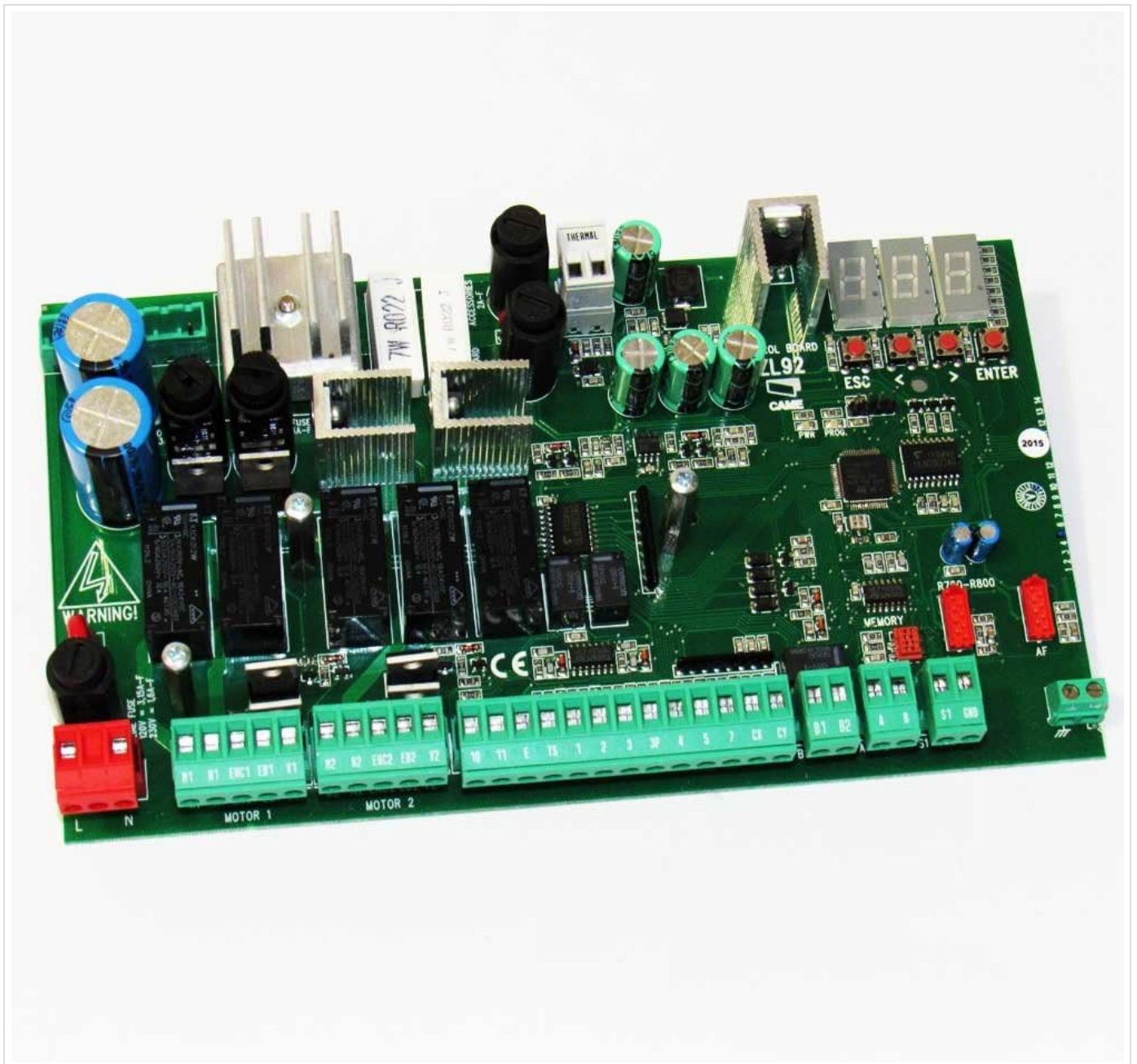


Figure 1: Overview of the Came ZL92 Electronic Board. This image displays the green circuit board with various electronic components, including capacitors, relays, and terminal blocks for connections, along with a digital display.

2. SAFETY INFORMATION

Always adhere to the following safety guidelines to prevent injury or damage to the product:

- Installation and maintenance must be performed by qualified personnel only.
- Disconnect power before performing any work on the electronic board or connected components.
- Ensure all electrical connections comply with local and national electrical codes.
- Protect the board from moisture, dust, and extreme temperatures.
- Do not modify the electronic board in any way. Unauthorized modifications will void the warranty and may cause malfunction.

3. PRODUCT COMPONENTS AND FEATURES

The Came ZL92 electronic board is designed with several key components for robust gate control:

- **Power Input Terminals:** For connecting the main power supply (L, N).
- **Motor Output Terminals:** Connections for gate motor(s).
- **Safety Device Inputs:** Terminals for photocells, safety edges, and emergency stop buttons.
- **Accessory Inputs:** For connecting command devices like push buttons, keypads, or receivers.
- **Digital Display:** Provides status information and aids in programming.
- **Programming Buttons:** Used for navigating menus and setting parameters.
- **Relays:** Control the power to motors and accessories.



Figure 2: The Came ZL92 Electronic Board installed within a protective enclosure. This image shows the board mounted inside a white plastic housing, with wiring connected to various terminals, illustrating a typical installation scenario.

4. INSTALLATION AND SETUP

Follow these steps for proper installation of the ZL92 electronic board:

1. **Mounting:** Securely mount the ZL92 board inside a suitable, weather-protected enclosure (as shown in Figure 2) in a location accessible for wiring and maintenance.
2. **Power Connection:** Connect the main power supply (230V AC or as specified on the board) to the L and N terminals. Ensure proper grounding.
3. **Motor Connection:** Connect the gate motor(s) to the designated motor terminals (e.g., MOTOR 1, MOTOR 2). Refer to the motor's manual for specific wiring diagrams.
4. **Safety Device Connection:** Wire all safety devices (photocells, safety edges, emergency stop) to their respective input terminals. Test each device for correct operation before proceeding.
5. **Accessory Connection:** Connect any desired accessories such as remote control receivers, keypads, or push buttons to the appropriate command inputs.
6. **Initial Power-Up:** Once all connections are secure and verified, apply power to the board. The digital display should illuminate.
7. **Basic Configuration:** Use the programming buttons and digital display to set basic parameters such as motor type, operating logic, and safety input configurations. Consult the detailed programming section in the full manual for advanced settings.

5. OPERATION

The ZL92 board offers various operating modes and functionalities:

- **Automatic Mode:** The gate opens with a command and automatically closes after a set pause time.
- **Step-by-Step Mode:** Each command cycles through Open-Stop-Close-Stop.

- **Hold-to-Run Mode:** The gate moves only while the command button is pressed.
- **Programming:** Access the programming menu via the onboard buttons to adjust parameters such as opening/closing speeds, force, pause time, and encoder settings.
- **Status Indicators:** The digital display and LED indicators provide real-time status of the gate and any active safety devices or errors.

For detailed programming sequences and advanced features, refer to the complete technical manual available from the manufacturer's website.

6. MAINTENANCE

Regular maintenance ensures the longevity and reliable operation of your ZL92 electronic board and gate system:

- **Visual Inspection:** Periodically inspect the board for any signs of damage, loose connections, or corrosion.
- **Cleaning:** Keep the board and its enclosure clean and free from dust, insects, and debris. Use a soft, dry brush or compressed air. Do not use liquids.
- **Terminal Check:** Ensure all terminal screws are tight and connections are secure.
- **Safety Device Test:** Regularly test all connected safety devices (photocells, safety edges) to ensure they are functioning correctly.
- **Professional Check:** It is recommended to have a qualified technician perform a comprehensive check of the entire gate automation system annually.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with the ZL92 electronic board. For more complex problems, consult a qualified technician.

Problem	Possible Cause	Solution
Board has no power / Digital display is off.	No main power supply; Blown fuse; Loose connection.	Check power supply to the board; Inspect and replace fuses if necessary; Verify all power connections.
Gate does not respond to commands.	Safety devices activated; Remote control battery low; Incorrect programming.	Check photocells for obstruction; Replace remote battery; Verify programming settings.
Gate opens but does not close automatically.	Pause time not set; Safety device fault; Operating mode incorrect.	Adjust pause time in programming; Check safety devices; Ensure automatic mode is selected.
Motor runs but gate does not move.	Motor clutch disengaged; Mechanical obstruction.	Check if the motor is manually disengaged; Remove any physical obstructions.

8. TECHNICAL SPECIFICATIONS

Feature	Detail
Brand	Came
Model Number	3199ZL92

Feature	Detail
Product Dimensions (L x W x H)	30 x 195 x 260 cm
Item Weight	120 g
ASIN	B00UV6BO0S
First Available Date	March 18, 2015
Typical Application	Gate Automation Control Unit

9. WARRANTY INFORMATION

Warranty terms for the Came ZL92 Electronic Board are provided by the manufacturer, Came. Please refer to the warranty card included with your product or visit the official Came website for detailed information regarding warranty coverage, duration, and claims procedures. Keep your proof of purchase for warranty purposes.

10. CUSTOMER SUPPORT

For technical assistance, troubleshooting beyond this manual, or spare parts inquiries, please contact your authorized Came dealer or visit the official Came support website. You may also find additional resources and FAQs on their online platforms.
Came Official Website: www.came.com

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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.

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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