

## Came 3199ZL65

# CAME 3199ZL65 Electronic Control Board Instruction Manual

For 24V Gate Motors

## 1. INTRODUCTION

This manual provides comprehensive instructions for the CAME 3199ZL65 electronic control board, designed specifically for 24V CAME gate motors. It covers essential information regarding installation, operation, maintenance, and troubleshooting to ensure safe and efficient use of your gate automation system. The CAME 3199ZL65 is an original replacement part, ensuring full compatibility and optimal performance with your existing CAME system.

## 2. IMPORTANT SAFETY INFORMATION

Please read and understand all safety instructions before proceeding with installation or operation. Failure to follow these instructions may result in serious injury or damage to property.

- **Disconnect Power:** Always disconnect the main power supply to the control board and motor before performing any installation, maintenance, or troubleshooting.
- **Qualified Personnel:** Installation and electrical connections must be performed by qualified and experienced personnel in accordance with all local electrical codes and regulations.
- **Environmental Protection:** Protect the control board from moisture, dust, and extreme temperatures. Install it in a suitable, weather-resistant enclosure.
- **Moving Parts:** Keep hands, feet, and clothing clear of moving gate parts during operation.
- **Children and Pets:** Do not allow children or pets to play near the gate or control devices.
- **Emergency Stop:** Ensure an easily accessible emergency stop mechanism is in place and functional.

## 3. PRODUCT OVERVIEW

The CAME 3199ZL65 is a sophisticated electronic board designed to manage the operation of 24V CAME gate motors. It integrates various control and safety features, allowing for precise and reliable gate automation.



Image 1: The CAME 3199ZL65 electronic control board, showing various components, connectors, and relays.

## 4. SETUP AND INSTALLATION

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### 4.1 Pre-Installation Checks

- Verify that the existing power supply is 24V DC and stable.
- Confirm compatibility with your specific CAME 24V gate motor model.
- Ensure adequate space within the protective enclosure for mounting the board and making connections.

### 4.2 Mounting the Control Board

Securely mount the CAME 3199ZL65 board within a suitable, weather-resistant enclosure. Ensure it is protected from direct sunlight, moisture, and excessive vibrations. Use appropriate fasteners to prevent movement.

### 4.3 Electrical Connections

All electrical connections must be made with the main power supply disconnected. Refer to the wiring diagram provided with your specific gate motor and the CAME 3199ZL65 board for precise terminal identification.

#### 4.3.1 Power Supply Connection

Connect the 24V DC power supply to the designated power input terminals on the control board. Carefully observe polarity (+ and -) to prevent damage.

#### 4.3.2 Motor Connections

Connect the 24V gate motor(s) to the motor output terminals. For dual gate systems, ensure correct wiring for each motor (e.g., master/slave configuration if applicable).

#### 4.3.3 Safety Device Connections

Connect all safety devices, such as photocells, safety edges, and emergency stop buttons, to their respective input terminals. Ensure proper alignment and functionality of photocells to prevent accidental gate closure.

#### 4.3.4 Control Device Connections

Connect remote control receivers, wired push buttons, keypads, or other access control devices to the designated command input terminals.

### 4.4 Initial Configuration

After all connections are made and verified, restore power to the board. The initial configuration typically involves:

- **Limit Switch Adjustment:** Set the open and close limit switches to define the gate's travel limits accurately.

- **Operating Logic Selection:** Configure the desired operating logic (e.g., automatic closing time, step-by-step operation, pedestrian opening).
- **Force Adjustment:** Adjust the motor force settings to ensure safe and efficient operation, preventing excessive force on obstructions.
- **Remote Control Programming:** Program any remote controls to the receiver connected to the board.

## 5. OPERATING INSTRUCTIONS

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### 5.1 Basic Operation

Once installed and configured, the gate can be operated using your programmed remote control or a wired push button. A single press typically initiates an open or close cycle, or stops the gate mid-movement, depending on the configured operating logic.

### 5.2 Manual Release

In the event of a power failure or system malfunction, your gate motor should have a manual release mechanism. Refer to your specific gate motor's manual for instructions on how to manually disengage the motor and operate the gate by hand.

## 6. MAINTENANCE

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Regular maintenance helps ensure the longevity and reliable operation of your CAME 3199ZL65 control board and gate system.

- **Cleanliness:** Periodically inspect the control board for dust, debris, or insect nests. Clean gently with a soft, dry brush or compressed air.
- **Wiring Inspection:** Annually check all electrical connections for tightness and signs of wear or corrosion. Repair or replace any damaged wiring immediately.
- **Safety Devices:** Regularly test all safety devices (e.g., photocells, safety edges) to ensure they are functioning correctly.
- **Manual Release:** Test the gate's manual release mechanism periodically to ensure it operates smoothly.

## 7. TROUBLESHOOTING

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This section addresses common issues you might encounter with your CAME 3199ZL65 control board. Always disconnect power before inspecting internal components.

### 7.1 Gate Not Responding

- **Check Power:** Ensure the control board is receiving power. Look for indicator lights on the board.
- **Remote Battery:** Replace the battery in your remote control.
- **Safety Devices:** Verify that photocells are aligned and clear of obstructions. A triggered safety device will prevent gate operation.
- **Emergency Stop:** Ensure the emergency stop button (if installed) is not activated.

### 7.2 Gate Stops Mid-Cycle

- **Obstructions:** Check for any physical obstructions in the gate's path.
- **Safety Device Activation:** A safety device may have been triggered. Inspect photocells and safety edges.
- **Motor Overload:** The motor may be overheating or encountering excessive resistance. Allow it to cool

down and check for mechanical issues with the gate.

7.3 Remote Control Not Working

- **Battery:** Replace the remote control battery.
- **Programming:** Re-program the remote control to the receiver. Refer to the remote control's specific instructions.
- **Receiver Connection:** Ensure the remote control receiver is correctly connected to the control board.

If issues persist after troubleshooting, contact a qualified technician or CAME customer support.

8. TECHNICAL SPECIFICATIONS

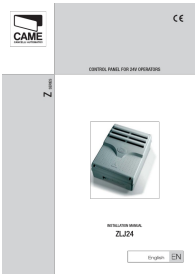

- **Brand:** Came
- **Model:** 3199ZL65
- **Type:** Electronic Control Board
- **Operating Voltage:** 24V DC
- **Compatibility:** Designed for CAME 24V gate motors
- **ASIN:** B084SY7S3P
- **Manufacturer:** Came
- **Availability:** Original replacement part



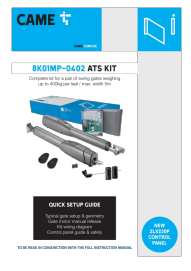
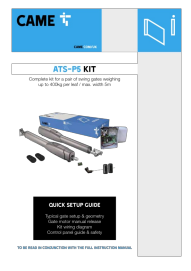
9. WARRANTY AND SUPPORT

Warranty information for the CAME 3199ZL65 electronic control board is typically provided with the product at the time of purchase. For specific warranty details, terms, and conditions, please refer to the documentation included with your product or contact your authorized CAME dealer.

For technical support, spare parts, or further assistance, please visit the [Came official website](#) or contact their customer service department directly. When contacting support, please have your product model (3199ZL65) and any relevant purchase information ready.

Related Documents - 3199ZL65

	<p><a href="#">CAME ZLJ24 Control Panel Installation Manual</a></p> <p>Comprehensive installation manual for the CAME ZLJ24 control panel, designed for 24V DC swing gate operators. Covers technical features, electrical connections, programming, safety, and troubleshooting.</p>
	<p><a href="#">CAME ZLJ24 Control Board Installation and Operation Manual</a></p> <p>This manual provides detailed information on the CAME ZLJ24 control board, including electrical connections, programming functions, and safety features for automated gate systems.</p>

 <p>CE AUTOMATISMES POUR PORTAILS COULISSANTS CAME SDN4 - SDN6 - SDN8 - SDN10</p>	<p><a href="#">CAME SDN4-SDN10 Sliding Gate Automation - Installation Manual</a></p> <p>Comprehensive installation manual for CAME SDN4, SDN6, SDN8, and SDN10 sliding gate automation systems, covering safety, installation, wiring, programming, and troubleshooting. Includes technical specifications and operational guidance.</p>
 <p>CE CAME ZL180</p>	<p><a href="#">CAME ZL180 Control Board Installation and Operation Manual</a></p> <p>This manual provides detailed instructions for the installation, wiring, and operation of the CAME ZL180 control board for automatic gates. It covers electrical connections, gearmotor and accessory configurations, function selections, and troubleshooting.</p>
 <p>CAME 8K01MP-0402 ATS KIT QUICK SETUP GUIDE</p>	<p><a href="#">CAME ATS 8K01MP-0402 Swing Gate Automation Kit Quick Setup Guide</a></p> <p>This guide provides a quick setup for the CAME ATS 8K01MP-0402 swing gate automation kit. It covers kit contents, safety instructions, typical gate setup, geometry, manual release, wiring, SIM card information, power-on, commissioning via app and panel, safety options, SIM replacement, and optional accessories. Designed for gates up to 400kg per leaf and 5m width.</p>
 <p>CAME ATS-P5 KIT QUICK SETUP GUIDE</p>	<p><a href="#">CAME ATS-P5 Kit - Quick Setup Guide for Swing Gates</a></p> <p>Comprehensive quick setup guide for the CAME ATS-P5 Kit, detailing installation, safety, wiring, programming, and accessories for swing gates up to 400kg per leaf and 5m width.</p>