

## Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

### Manuals.plus /

- › [BAYDE](#) /
- › BAYDE 5069-OB8 Compact 5000 DC Output Module User Manual

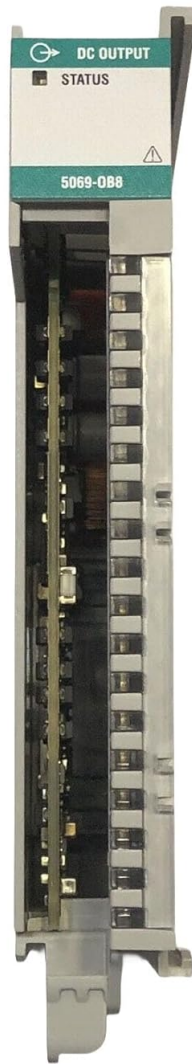
## BAYDE 5069-OB8

# BAYDE 5069-OB8 Compact 5000 DC Output Module User Manual

[Overview](#)   [Safety](#)   [Setup](#)   [Operation](#)   [Maintenance & Support](#)   [Troubleshooting](#)   [Specifications](#)   [Warranty](#)

## 1. PRODUCT OVERVIEW

The BAYDE 5069-OB8 Compact 5000 DC Output Module is an industrial electrical component designed for use in automation systems. This module provides DC output capabilities, allowing for control of various industrial devices and processes. It is part of the Compact 5000 series, known for its compact design and integration into programmable logic controller (PLC) systems.



**Figure 1.1:** Front view of the BAYDE 5069-OB8 Compact 5000 DC Output Module. This image displays the module's compact form factor and the 'DC OUTPUT' and 'STATUS' indicators.

## 2. SAFETY INFORMATION

Before installing, operating, or maintaining the 5069-OB8 module, read and understand all safety instructions. Failure to follow these instructions may result in personal injury, property damage, or equipment malfunction.

- **Qualified Personnel:** Installation and maintenance should only be performed by qualified personnel familiar with industrial control systems and electrical safety procedures.
- **Power Disconnection:** Always disconnect power to the system before installing, removing, or wiring the module. Verify zero voltage before proceeding.
- **Proper Grounding:** Ensure the system and module are properly grounded to prevent electrical shock.
- **Environmental Conditions:** Operate the module within specified environmental limits (temperature, humidity) to ensure proper function and longevity.
- **Wiring:** Use appropriate wire gauges and insulation for all connections. Follow all local and national electrical codes.

### 3. INSTALLATION AND SETUP

This section outlines the general steps for installing the 5069-OB8 DC Output Module into a compatible Compact 5000 system.

#### 3.1. Mounting the Module

1. Ensure the power to the Compact 5000 backplane or chassis is disconnected.
2. Align the module with an available slot on the backplane.
3. Gently push the module into the slot until it is firmly seated and the locking mechanism engages.

#### 3.2. Wiring Connections

Connect the DC output wiring according to your system's design and the module's specifications. Refer to the detailed wiring diagrams provided in your system's overall documentation. Ensure all connections are secure and correctly polarized.



**Figure 3.1:** Side view of the BAYDE 5069-OB8 module, illustrating the physical profile and potential connection interfaces for system integration.

## 4. OPERATION

---

Once installed and wired, the 5069-OB8 module operates under the control of the Compact 5000 controller. The module receives commands from the controller to activate or deactivate its DC output channels.

### 4.1. Status Indicators

The module features LED indicators to provide visual feedback on its operational status:

- **DC OUTPUT:** This indicator typically illuminates when a DC output channel is active.
- **STATUS:** This indicator provides general module status. A solid green light usually indicates normal operation, while other colors or blinking patterns may indicate faults or warnings. Refer to the controller's documentation for specific indicator meanings.

## 5. MAINTENANCE

---

The 5069-OB8 module is designed for reliable operation with minimal maintenance. However, periodic inspection and cleaning can help ensure optimal performance and longevity.

- **Visual Inspection:** Regularly inspect the module for any signs of physical damage, loose connections, or discoloration.
- **Cleaning:** If necessary, gently clean the module's exterior with a soft, dry, lint-free cloth. Do not use abrasive cleaners or solvents. Ensure power is disconnected before cleaning.
- **Environmental Control:** Maintain the operating environment within specified temperature and humidity ranges to prevent dust accumulation and condensation.

## 6. TROUBLESHOOTING

---

This section provides basic troubleshooting steps for common issues. For complex problems, consult the Compact 5000 system documentation or contact technical support.

- **Module Not Powering On:**
  - Verify that the Compact 5000 backplane has power.
  - Ensure the module is correctly seated in its slot.
- **No DC Output:**
  - Check the controller's program logic to ensure the output is commanded to be ON.
  - Inspect wiring for continuity and correct connections.
  - Verify the load connected to the output is functioning correctly and within the module's current limits.
- **STATUS Indicator Error:**
  - Refer to the Compact 5000 system documentation for specific error codes or blinking patterns indicated by the STATUS LED.
  - Check for system-level faults or communication issues.

## 7. TECHNICAL SPECIFICATIONS

---

The following specifications apply to the BAYDE 5069-OB8 Compact 5000 DC Output Module:

- **Model Number:** 5069-OB8
- **Brand:** BAYDE
- **Module Type:** Compact 5000 DC Output Module
- **Manufacturer:** BAYDE
- **Date First Available:** May 6, 2023
- **UPC:** 614160208826
- **Maximum Power (MP):** 75mA @ 18-32VDC
- **Load Current (LA):** 9A @ 10-32VDC
- **Output Current:** 1A @ 10-32VDC per channel / 2A total



**Figure 7.1:** Rear view of the BAYDE 5069-OB8 module, displaying the product label with serial number, electrical ratings, and various certifications (e.g., UKCA, UL, CE, EAC).

## 8. WARRANTY AND SUPPORT

BAYDE ensures the quality of its products. All 5069-OB8 modules are original new and produced by the

brand's original factory, ensuring high standards of manufacturing and performance.

## 8.1. Quality Assurance

The manufacturer guarantees that this product meets specified quality standards. For detailed warranty terms and conditions, please refer to the documentation provided with your purchase or contact BAYDE directly.

## 8.2. Technical Support

For technical assistance, troubleshooting beyond the scope of this manual, or inquiries regarding product functionality, please contact your supplier or BAYDE customer support. When contacting support, please have your module's model number (5069-OB8) and any relevant system information ready.



**Figure 8.1:** The BAYDE 5069-OB8 module in its factory-sealed packaging, indicating original new condition and secure delivery.

