

## CBBEXP 5069-OB8

# CBBEXP 5069-OB8 Digital 8-Point 24V DC Output Module User Manual

Model: 5069-OB8

## INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of the CBBEXP 5069-OB8 Digital 8-Point 24V DC Output Module. Please read this manual thoroughly before using the product to ensure proper functionality and to prevent damage or injury.

## SAFETY INFORMATION

### **WARNING: Risk of electric shock or equipment damage.**

- Ensure all power is disconnected before installing, wiring, or removing the module.
- Only qualified personnel should perform installation and maintenance procedures.
- Adhere to all local and national electrical codes.
- Do not operate the module in environments exceeding its specified ratings.
- Proper grounding is essential to prevent electrical hazards.

## PRODUCT OVERVIEW

The CBBEXP 5069-OB8 is a digital 8-point 24V DC output module designed for industrial control applications. It provides reliable switching capabilities for various devices.



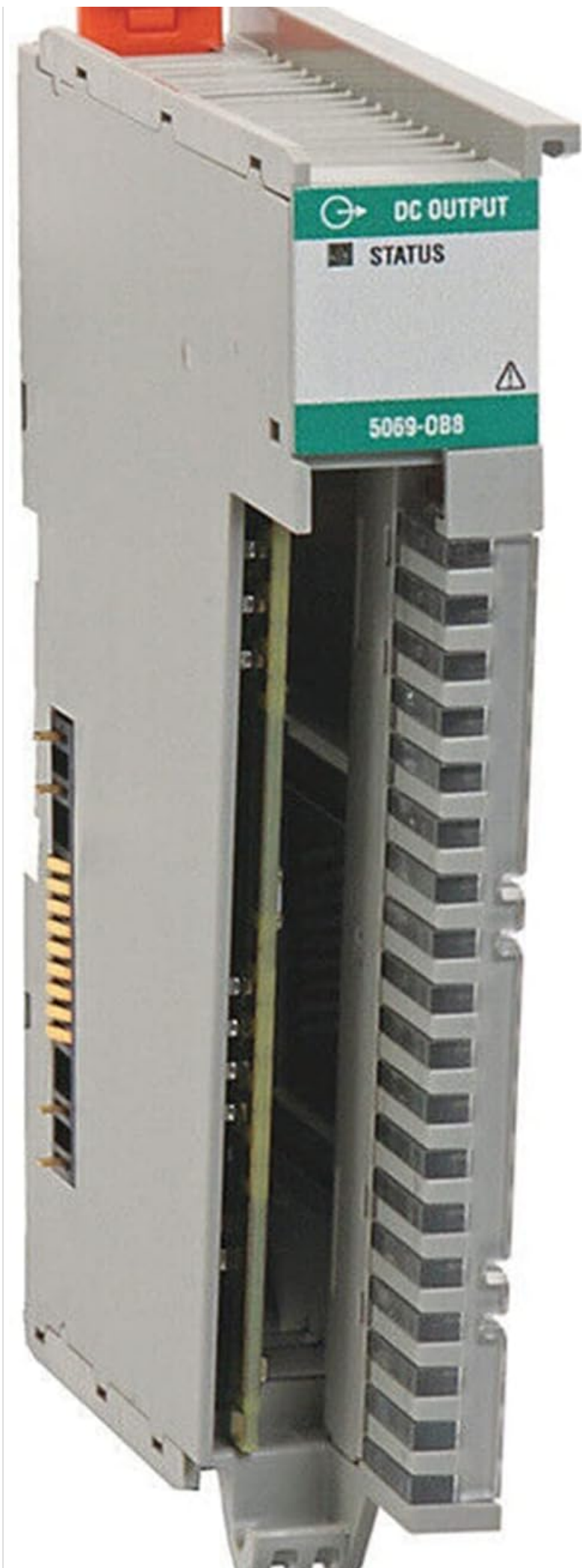


Figure 1: Front view of the CBBEXP 5069-OB8 Digital 8-Point 24V DC Output Module, showing the module's housing, status indicators, and model number label.

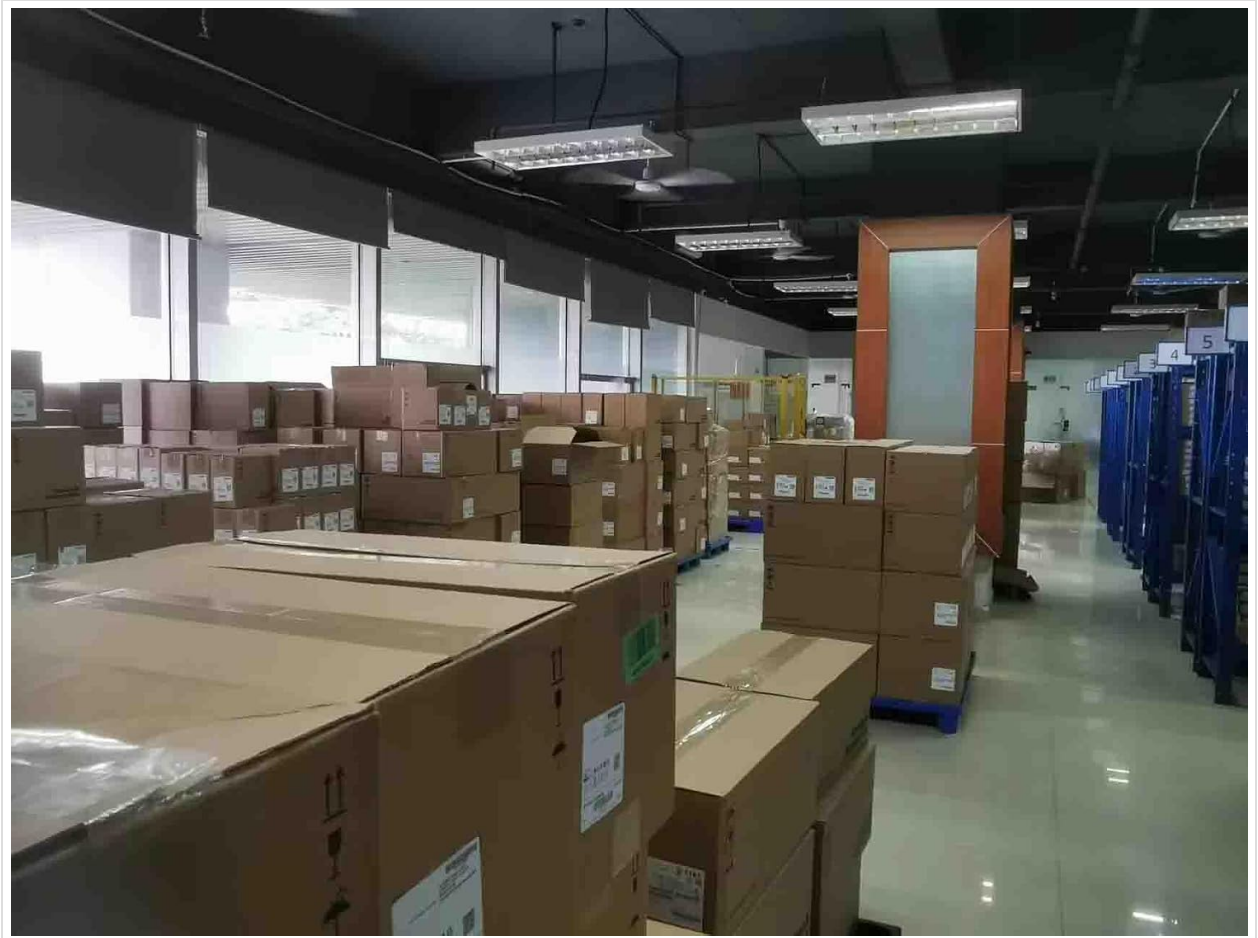


Figure 2: Side view of the CBBEXP 5069-OB8 Digital 8-Point 24V DC Output Module, highlighting the connection terminals and mounting features.

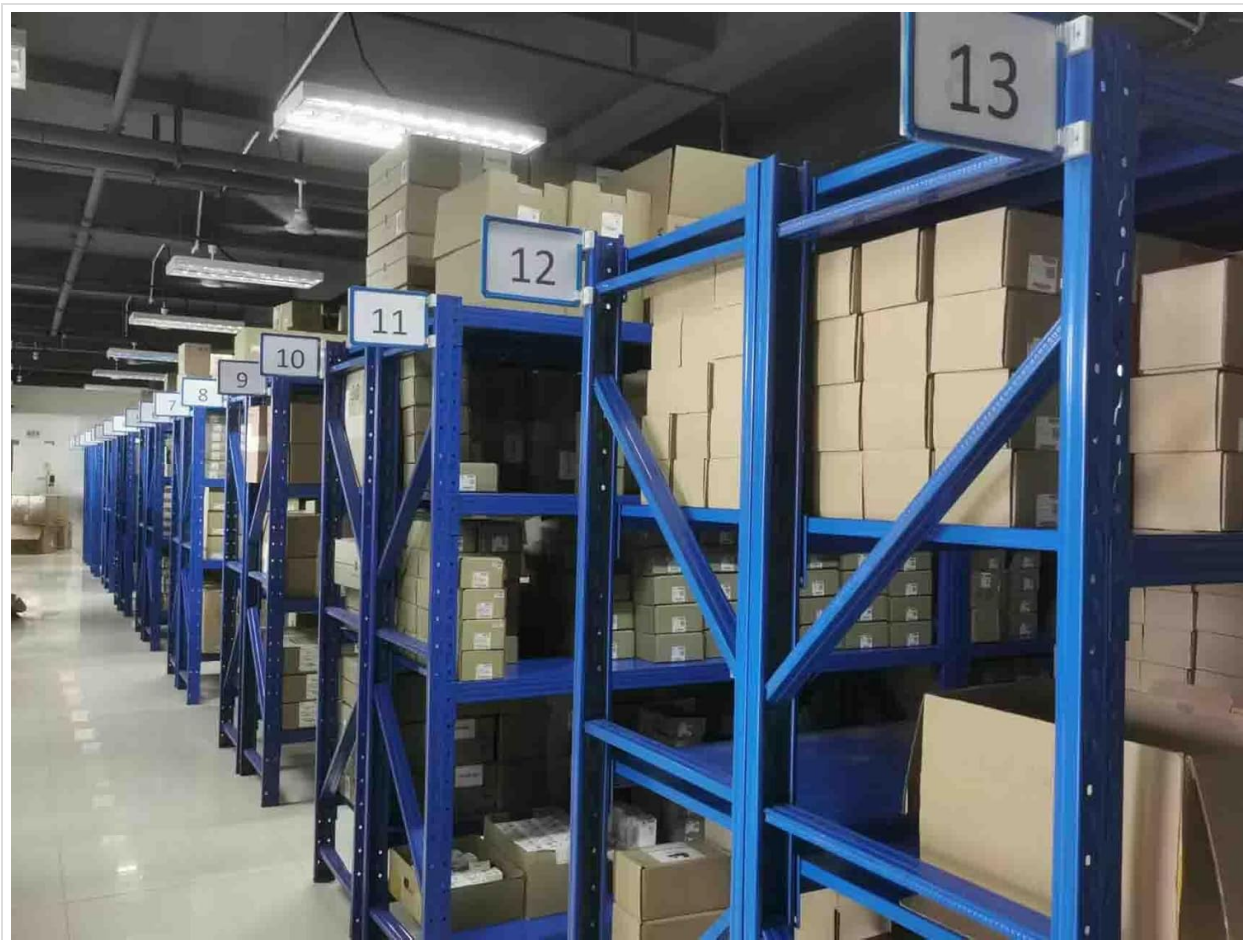


Figure 3: Another side view of the CBBEXP 5069-OB8 Digital 8-Point 24V DC Output Module, showing the module's profile and internal components through the side vents.

## SPECIFICATIONS

|                             |                                      |
|-----------------------------|--------------------------------------|
| <b>Model</b>                | 5069-OB8                             |
| <b>Type</b>                 | Digital 8-Point 24V DC Output Module |
| <b>Manufacturer</b>         | CBBEXP                               |
| <b>Output Voltage</b>       | 24V DC                               |
| <b>Number of Outputs</b>    | 8                                    |
| <b>ASIN</b>                 | B0CH5CTW8P                           |
| <b>Date First Available</b> | September 2, 2023                    |

## SETUP AND INSTALLATION

Follow these general steps for installing the 5069-OB8 module. Refer to your system's specific documentation for detailed chassis and backplane installation procedures.

1. **Power Off:** Ensure all power to the control system and associated equipment is completely disconnected and locked out.
2. **Mounting:** Insert the 5069-OB8 module into an available slot on the compatible chassis or backplane. Ensure it is securely seated.
3. **Wiring:** Connect the 24V DC power supply and output devices to the module's terminals according to the system's wiring diagrams. Pay close attention to polarity and terminal assignments.
4. **Grounding:** Verify that the module and the entire control system are properly grounded.
5. **Verification:** Double-check all connections for correctness and security.
6. **Power On:** Restore power to the system. Observe the module's status indicators for proper operation.

*Consult the overall system documentation for specific wiring diagrams and environmental considerations.*

## OPERATING INSTRUCTIONS

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The 5069-OB8 module operates under the control of a Programmable Logic Controller (PLC) or similar control system. Its primary function is to provide digital 24V DC output signals to connected devices.

- **Status Indicators:** Monitor the LED indicators on the module. A "DC OUTPUT" indicator typically signifies the presence of output power, while a "STATUS" indicator provides information on the module's operational state (e.g., healthy, fault). Refer to your PLC programming software for detailed status interpretations.
- **Programming:** The output states (ON/OFF) are controlled by the PLC program. Ensure the PLC program is correctly configured to energize or de-energize the desired output points based on application logic.
- **Output Devices:** Verify that connected output devices (e.g., relays, solenoids, indicator lights) respond as expected when the corresponding output points are activated or deactivated by the PLC.

## MAINTENANCE

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The CBBEXP 5069-OB8 module is designed for robust operation and typically requires minimal maintenance. However, periodic checks can help ensure long-term reliability.

- **Visual Inspection:** Regularly inspect the module for any signs of physical damage, discoloration, or loose connections.
- **Environmental Check:** Ensure the operating environment remains within the specified temperature, humidity, and vibration limits.
- **Cleaning:** If necessary, gently clean the module's exterior with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Firmware Updates:** Consult the manufacturer's website or your system integrator for information on any available firmware updates for the module.

*Always disconnect power before performing any maintenance that involves touching the module or its wiring.*

## TROUBLESHOOTING

If the 5069-OB8 module is not functioning as expected, consider the following common troubleshooting steps:

- **No Power/Status LED Off:**

- Verify that the control system is powered on.
- Check the module's power connections and ensure they are secure.
- Confirm the power supply voltage is within the specified range (24V DC).

- **Output Not Activating:**

- Check the PLC program logic to ensure the output is commanded to be ON.
- Verify wiring between the module and the output device.
- Test the output device independently to confirm it is functional.
- Check for blown fuses or tripped circuit breakers in the output circuit.

- **Fault Indicator On:**

- Consult the PLC programming software for specific fault codes or diagnostic messages related to the module.
- Check for short circuits or overloads on the output channels.
- Ensure the module is correctly seated in its slot.

- **Intermittent Operation:**

- Inspect for loose wiring connections or environmental interference.
- Check for power supply fluctuations.

*If issues persist, contact technical support or a qualified service technician.*

## WARRANTY AND SUPPORT

The CBBEXP 5069-OB8 Digital 8-Point 24V DC Output Module comes with a **One-Year Warranty** from the date of purchase, covering manufacturing defects.

For technical assistance, troubleshooting beyond the scope of this manual, or warranty claims, please contact your supplier or CBBEXP customer support. When contacting support, please have your module's model number (5069-OB8) and purchase details readily available.

Additional protection plans may be available from your retailer, such as a 4-Year Protection Plan or Complete Protect options. Please refer to your purchase documentation for details on these extended services.

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### 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**