

Datalogic 93A301068

Datalogic 93A301068 CBX500 Connection Box Modular User Manual

Model: 93A301068 | Part Number: 93A301068

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of the Datalogic 93A301068 CBX500 Connection Box Modular. This device is designed to function as an I/O Board for A30/T4X systems, supporting illuminators within the SIL Series. Please read this manual thoroughly before using the product to ensure safe and efficient operation.



Figure 1: Datalogic 93A301068 CBX500 Connection Box Modular. This image displays the compact design of the connection box, highlighting its various ports and indicators, typical for an industrial I/O board.

2. SETUP AND INSTALLATION

Proper setup is crucial for the reliable performance of the CBX500 Connection Box. Follow these general guidelines for installation:

- 1. Unpacking:** Carefully remove the CBX500 from its packaging. Inspect for any visible damage that may have occurred during transit.
- 2. Mounting:** Securely mount the connection box in a suitable location, ensuring adequate ventilation and protection from environmental factors such as excessive dust, moisture, or extreme temperatures. Refer to the specific mounting instructions provided with your A30/T4X system or illuminators for optimal placement.
- 3. Power Connection:** Connect the power supply to the designated power input port on the CBX500. Ensure the power source meets the voltage and current requirements specified in the product's

technical data sheet.

4. **I/O Connections:** Connect the A30/T4X system and SIL Series illuminators to the appropriate I/O ports on the CBX500. Use compatible cables and ensure all connections are firm and secure.
5. **Verification:** Before applying power, double-check all connections to prevent short circuits or incorrect wiring.

3. OPERATING INSTRUCTIONS

Once the CBX500 Connection Box is properly installed and connected, follow these steps for operation:

1. **Power On:** Apply power to the CBX500. Observe any indicator lights for proper power-up sequence. Refer to the A30/T4X system manual for specific power-on procedures.
2. **System Integration:** The CBX500 acts as an interface for the A30/T4X system and connected illuminators. Its operation is typically managed through the primary control system it is connected to.
3. **Monitoring:** Monitor the status indicators on the CBX500 and the connected devices to ensure normal operation. Any abnormal indicators may suggest a connection issue or system fault.
4. **Shutdown:** To power down the system, follow the shutdown procedure for the A30/T4X system, which will typically include powering off the CBX500.

4. MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your Datalogic CBX500 Connection Box. Perform the following tasks periodically:

- **Cleaning:** Keep the exterior of the connection box clean and free from dust and debris. Use a soft, dry cloth. Avoid using abrasive cleaners or solvents.
- **Cable Inspection:** Periodically inspect all connected cables for signs of wear, damage, or loose connections. Replace any damaged cables immediately.
- **Environmental Check:** Ensure the operating environment remains within the specified temperature and humidity ranges.
- **Firmware Updates:** If applicable, check the Datalogic website for any available firmware updates for the CBX500 or the A30/T4X system. Follow the provided instructions for safe updating.

5. TROUBLESHOOTING

If you encounter issues with your CBX500 Connection Box, refer to the following troubleshooting guide:

- **No Power:**
 - Verify that the power cable is securely connected to both the CBX500 and the power outlet.
 - Check the power source for functionality.
 - Ensure the power supply meets the required specifications.
- **No Communication:**
 - Check all I/O cables for secure connections and damage.
 - Verify that the A30/T4X system is properly configured to communicate with the CBX500.
 - Consult the A30/T4X system manual for communication setup and diagnostics.
- **Illuminator Malfunction:**

- Ensure the illuminators are correctly connected to the CBX500.
- Check the illuminator's own power and signal connections.
- Refer to the illuminator's specific manual for troubleshooting steps.

If problems persist after attempting these steps, contact Datalogic technical support.

6. SPECIFICATIONS

The following table outlines the key specifications for the Datalogic 93A301068 CBX500 Connection Box Modular:

Feature	Detail
Model Number	93A301068
Product Dimensions	2.8 x 7.09 x 7.56 inches
Weight	1.75 Pounds
Manufacturer	DATALOGIC
ASIN	B002KEY3XY
First Available	August 4, 2009

7. WARRANTY AND SUPPORT

For detailed information regarding the product warranty, please refer to the warranty card included with your purchase or visit the official Datalogic website. Technical support can be accessed through the Datalogic customer service portal or by contacting your local Datalogic representative. Please have your model number (93A301068) and purchase information ready when seeking support.