

Sloan LED 701898-DLO

Sloan LED 701898-DLO 12V LiguaLED Multi-Zone Light Controller User Manual

Model: 701898-DLO

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the Sloan LED 701898-DLO 12V LiguaLED Multi-Zone Light Controller. Please read this manual thoroughly before attempting any installation or operation to ensure safe and efficient use of the product.

The Sloan LED 701898-DLO is designed to manage multiple zones of 12V LiguaLED lighting, offering versatile control for various lighting applications, particularly in pool and spa environments.

2. SAFETY INFORMATION

Always observe the following safety precautions to reduce the risk of injury or damage:

- **Electrical Safety:** Ensure all power is disconnected before installation or maintenance. This device operates on 12V AC/DC. Incorrect voltage can cause damage or electrical shock.
- **Qualified Personnel:** Installation and servicing should only be performed by a qualified electrician or service technician in accordance with all local and national electrical codes.
- **Water Exposure:** This controller is designed for specific environments. Ensure it is installed in a location protected from direct water exposure unless explicitly rated for such conditions.
- **Ventilation:** Ensure adequate ventilation around the controller to prevent overheating.
- **Product Integrity:** Do not modify or attempt to repair the controller. Refer all servicing to authorized personnel.

3. PRODUCT OVERVIEW

The Sloan LED 701898-DLO is a compact multi-zone light controller designed for 12V LiguaLED lighting systems. It features multiple output zones to control different lighting areas independently or in synchronized patterns.



Figure 3.1: Front view of the Sloan LED 701898-DLO Multi-Zone Light Controller. This image shows the grey rectangular unit with "INPUT" labeled for 12 VAC and 12 VDC connections at the top, and "ZONES" labeled 1 through 4 at the bottom. Various cables with connectors extend from the unit, including a black and white braided cable for input power and multiple grey cables for zone outputs. The LiquaLED logo and regulatory marks are visible on the front face.



Figure 3.2: Rear view of the Sloan LED 701898-DLO Multi-Zone Light Controller. This image displays the back of the grey rectangular unit, showing mounting holes and the points where the various cables enter the housing. The braided input cable and the multiple grey output cables are visible, providing a perspective of the unit's physical dimensions and cable management.

3.1 Components

- **Controller Unit:** The main housing containing the control circuitry.
- **12V AC Input:** Connection point for alternating current power supply.
- **12V DC Input:** Connection point for direct current power supply.
- **Zone Outputs (1-4):** Connectors for individual LiquaLED lighting zones.
- **Communication Port:** For programming or advanced control (e.g., ISP/USB).

4. SETUP AND INSTALLATION

Before beginning installation, ensure you have all necessary tools and components, and that power is disconnected at the source.

4.1 Mounting the Controller

1. Select a suitable mounting location that is dry, protected from direct sunlight and extreme temperatures, and allows for adequate ventilation.
2. Using appropriate fasteners (not included), secure the controller to a flat, stable surface through the designated

mounting holes.

4.2 Wiring Connections

Refer to the wiring diagram below for proper connections. All wiring must comply with local electrical codes.



Figure 4.1: Top-down view of the Sloan LED 701898-DLO Multi-Zone Light Controller. This image clearly shows the labels for 12 VAC and 12 VDC inputs at the top, and Zones 1, 2, 3, and 4 at the bottom. The various cable connections are visible, illustrating the layout for wiring the unit into a lighting system.

- **Power Input:** Connect the 12V AC or 12V DC power supply to the corresponding input terminals on the controller. Ensure polarity is correct for DC connections.

- **Zone Outputs:** Connect your LiguaLED lighting fixtures to the desired Zone 1, 2, 3, or 4 output connectors. Each zone can support multiple lights up to the maximum current rating of the controller. Consult the specifications section for details.
- **Communication:** If using advanced control or programming, connect the appropriate cable to the ISP/USB port.

After all connections are made, double-check all wiring for secure connections and correct polarity before restoring power.

5. OPERATING INSTRUCTIONS

Once installed and powered, the Sloan LED 701898-DLO controller can be operated to control your LiguaLED lighting system.

5.1 Basic Operation

The controller typically operates in conjunction with a compatible remote control or wall switch (sold separately) to cycle through lighting modes and turn zones on/off. Refer to the instructions provided with your specific remote or switch for detailed operation.

- **Power On/Off:** Use the designated button on your remote or switch to toggle power to the connected lighting zones.
- **Mode Selection:** Cycle through available lighting modes (e.g., solid colors, color transitions, flashing patterns) using the mode selection button.
- **Zone Control:** If your remote supports individual zone control, you can activate or deactivate specific lighting zones independently.

5.2 Advanced Features (if applicable)

Some installations may utilize advanced features such as synchronization with other devices or custom programming via the communication port. Consult the specific documentation for any connected accessories or software for these advanced operations.

6. MAINTENANCE

The Sloan LED 701898-DLO controller is designed for minimal maintenance. However, periodic checks can help ensure optimal performance and longevity.

- **Cleaning:** Keep the controller housing clean and free of dust and debris. Use a soft, dry cloth for cleaning. Do not use abrasive cleaners or solvents.
- **Connections:** Periodically inspect all wiring connections to ensure they remain secure and free from corrosion.
- **Environment:** Ensure the operating environment remains within the recommended temperature and humidity ranges.

No user-serviceable parts are inside the controller. Do not open the unit.

7. TROUBLESHOOTING

If you experience issues with your Sloan LED 701898-DLO controller, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Lights do not turn on.	No power to controller; Loose wiring; Faulty lights; Incorrect input voltage.	Check power supply and circuit breaker. Verify all wiring connections are secure. Test lights directly if possible. Ensure 12V AC/DC input is correct.
Lights flicker or dim.	Insufficient power supply; Loose connections; Overloaded zone.	Ensure power supply meets total wattage requirements. Check all connections. Reduce the number of lights on the affected zone or distribute load.
Remote control not working.	Dead battery in remote; Remote out of range; Interference.	Replace remote battery. Move closer to the controller. Check for sources of signal interference.
Only some zones are working.	Faulty connection to specific zone; Damaged output port.	Check wiring for the non-working zones. If wiring is secure, the output port may be damaged, requiring professional service.

If the problem persists after attempting these solutions, contact Sloan LED customer support or a qualified technician.

8. SPECIFICATIONS

Feature	Detail
Model Number	701898-DLO
Input Voltage	12V AC or 12V DC
Output Zones	4 (Independent or Synchronized)
Compatibility	Sloan LED LiquaLED Lighting Systems
Dimensions (Approx.)	9 x 7 x 3 inches (Package Dimensions)
Manufacturer	Sloan LED
ASIN	B0946HPMB4

9. WARRANTY INFORMATION

Sloan LED products are manufactured to the highest quality standards. For specific warranty terms and conditions, please refer to the official warranty statement provided with your product or visit the Sloan LED official website. Keep your proof of purchase for warranty claims.

Typical warranties cover defects in materials and workmanship under normal use for a specified period from the date of purchase. Damage resulting from improper installation, misuse, abuse, or unauthorized repairs is generally not covered.

10. CUSTOMER SUPPORT

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact Sloan LED customer support:

- **Manufacturer:** Sloan LED

- **Website:** www.sloanled.com
- **Contact Information:** Refer to the manufacturer's website for the most current contact details, including phone numbers and email addresses.

When contacting support, please have your product model number (701898-DLO) and purchase information readily available.

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