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Titan Controls Helios 12

Titan Controls Helios 12 - 8 Light 240 Volt Controller Instruction Manual

Introduction

This manual provides comprehensive instructions for the installation, operation, maintenance, and troubleshooting of the Titan Controls Helios 12 - 8 Light 240 Volt Controller. Please read this manual thoroughly before operating the device to ensure safe and efficient use.
The Helios 12 is designed to manage up to eight 240-volt lighting systems, offering reliable control for various applications. Its robust design and dual trigger cords provide flexibility and enhanced control capabilities.

Important Safety Information

- **Electrical Hazard:** This device operates on 240 volts. Installation and maintenance should only be performed by qualified personnel. Always disconnect power before servicing.
- **Grounding:** Ensure the unit is properly grounded to prevent electrical shock.
- **Environment:** Do not expose the controller to water, high humidity, or extreme temperatures. Operate within specified environmental conditions.
- **Ventilation:** Ensure adequate ventilation around the unit to prevent overheating.
- **Load Capacity:** Do not exceed the maximum rated load capacity of the controller. Refer to the specifications section for details.
- **Children and Pets:** Keep the device out of reach of children and pets.

Package Contents

Verify that all items are present in the package:

- Titan Controls Helios 12 Controller Unit
- Dual Trigger Cords (2)
- Mounting Hardware (screws, anchors)
- Instruction Manual (this document)

Setup and Installation

1. **Mounting the Controller:**

   Select a suitable location for mounting the Helios 12 controller. The location should be dry, well-ventilated, and away from direct heat sources or moisture. Use the provided mounting hardware to securely attach the controller to a wall or sturdy surface. Ensure the mounting surface can support the weight of the unit.



   Image: The Titan Controls Helios 12 controller, a rectangular grey box with multiple outlets and control knobs, securely mounted on a wall. This illustrates a typical installation scenario.

2. **Electrical Connections:**

   WARNING: All electrical connections must be performed by a qualified electrician. Ensure power is disconnected at the main breaker before making any connections.

   - Connect the 240-volt power input to the designated terminal block on the controller. Follow local electrical codes.
   - Connect your 240-volt lighting fixtures to the output receptacles on the controller. The Helios 12 features eight output receptacles.

3. **Connecting Trigger Cords:**

   The Helios 12 includes two trigger cords. These cords are used to connect to external timers or environmental controllers to activate the lighting circuits. Plug the trigger cords into the designated trigger input ports on the Helios 12. Ensure a secure connection.

Operating Instructions

The Helios 12 controller operates by receiving a signal from an external timer or environmental controller via its trigger cords. It does not have an internal timer.

1. **Power On:** After all connections are made and verified, restore power to the circuit at the main breaker. The indicator lights on the controller should illuminate, indicating power is present.
2. **External Timer Setup:** Set your external timer(s) according to your desired lighting schedule. When the external

timer activates, it will send a signal through the trigger cord to the Helios 12, turning on the connected lights.

3. **Dual Trigger Functionality:** The two trigger cords allow for independent control of two groups of lights or for redundancy. Consult your system design for optimal use of both triggers.
4. **Monitoring:** Periodically check the indicator lights on the Helios 12 to confirm proper operation.

Maintenance

- **Cleaning:** Disconnect power before cleaning. Use a dry, soft cloth to wipe the exterior of the controller. Do not use liquid cleaners or solvents.
- **Inspection:** Regularly inspect all cables and connections for signs of wear, damage, or loose connections. Address any issues promptly.
- **Ventilation:** Ensure that the ventilation openings on the controller are not obstructed by dust or debris. Clean as necessary.
- **Environmental Conditions:** Verify that the operating environment remains within the recommended temperature and humidity ranges.

Troubleshooting

Problem	Possible Cause	Solution
Lights do not turn on.	No power to controller. Faulty external timer. Loose trigger cord connection. Overloaded circuit breaker.	Check main power supply. Verify external timer operation. Ensure trigger cords are securely plugged in. Check and reset circuit breaker. Reduce load if necessary.
Controller indicator lights are off.	No power to the unit. Internal fuse blown.	Check main power supply and connections. Contact qualified service personnel for fuse replacement.
Only some lights turn on.	Faulty light fixture. Loose connection to specific output. Issue with one of the trigger cords.	Test individual light fixtures. Check connections for the affected outputs. Verify both trigger cords are functioning correctly.

If troubleshooting steps do not resolve the issue, contact Titan Controls customer support.

Specifications

- **Model:** Helios 12
- **Input Voltage:** 240 VAC
- **Output Receptacles:** 8 x 240V
- **Trigger Cords:** 2 (for external timer/controller)
- **Maximum Amperage:** 50 Amps (Total)
- **Enclosure:** Powder-coated steel
- **Operating Temperature:** 32°F to 120°F (0°C to 49°C)
- **Operating Humidity:** 0% to 99% non-condensing

Warranty and Support

Titan Controls products are designed for reliability and performance. For specific warranty details, please refer to the warranty card included with your product or visit the official Titan Controls website. Keep your proof of purchase for warranty claims.
For technical support, troubleshooting assistance, or to inquire about replacement parts, please contact Titan Controls customer service:

- **Website:** www.titancontrols.com
- **Phone:** Refer to the website for current contact numbers.
- **Email:** Refer to the website for current email addresses.

When contacting support, please have your product model number (Helios 12) and purchase date available.

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