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Titan Controls 702825

Titan Controls Helios 12 Light Controller User Manual

Model: 702825 | Brand: Titan Controls

Introduction

The Titan Controls Helios 12 is an 8-light controller designed to manage eight (8) High-Intensity Discharge (HID) lights operating at 240 Volts. This unit features industrial-grade ballast rated relays for reliable performance. It is equipped with dual relay trigger cords that can be connected to 24-hour wall timers, allowing for automated light cycling. The universal outlets provide flexible connectivity options. The robust enclosure is designed to resist dust, rust, and moisture, ensuring durability in various environments.

Important Safety Information

WARNING: Failure to follow these safety instructions could result in fire, electric shock, injury, or damage to the product or property.

- Do not exceed the recommended amperage for this device.
- Installation of this controller **must be performed by a certified electrician** to ensure proper and safe operation.
- Read all instructions thoroughly before attempting to install or operate this product.
- This product is designed for **indoor use only**. Do not expose to outdoor elements.
- Ensure the power source matches the voltage requirements of the controller (240V).
- Always disconnect power before performing any maintenance or installation procedures.
- Keep the controller away from water and excessive humidity.

Package Contents

Verify that all items listed below are included in your package:

- Titan Controls Helios 12 Light Controller Unit
- Dual Relay Trigger Cords (2)
- Mounting Hardware (screws and wall anchors)
- Mounting Plates (2)



Image: The main Helios 12 light controller unit.



Image: The two included dual relay trigger cords.



Image: Assortment of mounting screws and wall anchors.



Image: Two metal mounting plates for secure installation.

Product Overview

Front Panel Features



Image: Front panel of the Helios 12 controller, showing inputs and outputs.

- **240 Volt Power Input:** Main power connection for the unit.
- **240 Volt Power Output A & B:** Outlets for connecting HID lights.
- **120 Volt Triggers A & B:** Connections for the dual relay trigger cords, used to activate the respective power outputs.

Side Panel Features



Image: Side view of the Helios 12 controller, displaying the eight universal outlets.

- **Universal Outlets:** Eight outlets for connecting your HID lighting ballasts. These outlets are designed for flexibility in connecting various ballast types.

Bottom Panel Features



Image: Bottom view of the Helios 12 controller, showing the conduit connection point.

- **Conduit Connector:** Provides a secure and protected entry point for the main power input wiring.

Installation and Setup

IMPORTANT: All electrical wiring and connections must be performed by a certified electrician in accordance with local electrical codes.

Mounting the Controller

1. Select a suitable indoor location for the controller, ensuring it is away from moisture and has adequate ventilation.
2. Use the provided mounting plates as templates to mark drilling locations on the wall.
3. Drill pilot holes and insert wall anchors if mounting into drywall.
4. Secure the mounting plates to the wall using the provided screws.
5. Attach the Helios 12 controller to the mounted plates, ensuring it is securely fastened.

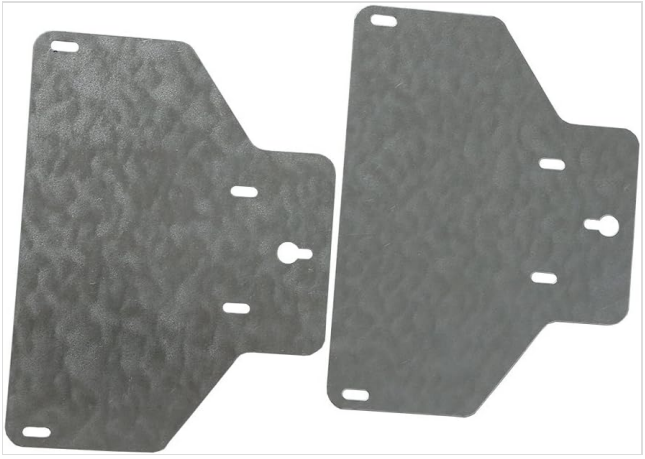


Image: The mounting plates are used to secure the controller to a wall.

Electrical Connection

1. Ensure the main power supply to the installation area is turned OFF at the circuit breaker.

2. A certified electrician will connect the 240V power input wiring to the controller's designated input terminals, typically through the conduit connector at the bottom.
3. Verify all connections are tight and secure.
4. Once all connections are made, the electrician can restore power to the circuit.

Operating Instructions

Connecting Lights

1. With the controller powered on, connect your 240V HID lighting ballasts into the universal outlets on the side of the Helios 12 controller.
2. Ensure each ballast is securely plugged into an outlet. The controller supports up to eight (8) lights.



Image: The side of the controller features eight universal outlets for connecting lighting ballasts.

Using Trigger Cords

1. Plug the two dual relay trigger cords into separate 24-hour wall timers (not included).
2. Connect the trigger cords to the corresponding 120 Volt Trigger A and Trigger B inputs on the front of the Helios 12 controller.
3. Set your 24-hour wall timers to the desired ON/OFF cycles. When the timers activate, they will send a signal to the Helios 12, which will then switch the connected lights ON or OFF.
4. Trigger A controls the lights connected to Power Output A, and Trigger B controls lights connected to Power Output B.



Image: The dual relay trigger cords are used to connect the controller to external timers.

Maintenance

The Titan Controls Helios 12 is designed for minimal maintenance. Follow these guidelines to ensure longevity:

- **Cleaning:** Periodically wipe the exterior of the controller with a dry, soft cloth to remove dust. Do not use liquid cleaners or solvents.
- **Inspection:** Regularly inspect the power cords, trigger cords, and all connections for any signs of wear, damage, or loose connections. Address any issues promptly.
- **Ventilation:** Ensure that the area around the controller remains clear to allow for proper airflow and heat dissipation.

Troubleshooting

If you encounter issues with your Helios 12 controller, refer to the following table:

Problem	Possible Cause / Solution
Lights do not turn ON.	• Check if the main power supply to the controller is active. • Verify that the 24-hour wall timers are correctly set and functioning. • Ensure trigger cords are securely plugged into both the timers and the controller. • Check if ballasts are properly connected to the controller's outlets. • Inspect light bulbs for functionality.

Problem	Possible Cause / Solution
Lights do not turn OFF.	• Check if the 24-hour wall timers are correctly set and functioning to turn OFF. • Ensure trigger cords are securely plugged. • Verify that the controller's relays are not stuck (if suspected, consult a certified electrician).
Controller is not receiving power.	• Check the circuit breaker for the power supply. • Ensure the main power input wiring is correctly and securely connected by a certified electrician.
Unusual noises or smells from the unit.	• Immediately disconnect power to the unit. • Do not attempt to repair. Contact a certified electrician or Titan Controls support.

Technical Specifications

Feature	Specification
Model Number	702825
Input Voltage	240 Volts
Input Amperage	50 Amps
Output Amperage	40 Amps
Frequency	60 Hz
Wattage	8000 Watts
Number of Outlets	8
Product Dimensions	12.1 x 9.6 x 6.7 inches
Item Weight	7.56 pounds
Manufacturer	Sunlight Supply Inc.
Color	Natural

Feature	Specification
UPC	847127000403, 791090251846

Warranty and Support

For warranty information and technical support, please refer to the documentation provided with your purchase or visit the official Titan Controls website. It is recommended to register your product to receive updates and support. For professional assistance with installation or complex issues, always consult a certified electrician.

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