Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

Titan Controls 702675

Titan Controls Helios 4 Light Controller (240V) - Instruction Manual

Model: 702675

1. Introduction

The Titan Controls Helios 4 Light Controller is designed to manage up to four (4) High-Intensity Discharge (HID) lights operating at 240 Volts, with a maximum capacity of 4000 Watts. This unit features industrial-grade ballast-rated relays for reliable performance. It includes a 120 Volt accessory timed outlet for activating in-line fans or other low-amperage accessories. The controller is activated by plugging its relay trigger cord set into an external 24-hour wall timer, offering flexibility in scheduling. Universal outlets are provided for broad compatibility with various cord sets.



Figure 1: Titan Controls Helios 4 Light Controller Packaging

2. Safety Information

Read and understand all instructions before operating this device. Failure to follow these instructions may result in electrical shock, fire, or serious injury. Keep this manual for future reference.

- **Electrical Hazard:** This unit operates at 240 Volts. Installation and wiring should only be performed by a qualified

electrician in accordance with all local and national electrical codes.

- **Grounding:** Ensure the unit is properly grounded to prevent electrical shock.
- **Overload Protection:** Do not exceed the maximum rated wattage (4000 Watts) or amperage (20 Amps output, 30 Amps input) for this controller.
- **Ventilation:** Ensure adequate ventilation around the controller to prevent overheating.
- **Moisture:** Do not expose the unit to water or high humidity. Operate in a dry environment.
- **Maintenance:** Disconnect power before performing any maintenance or lamp replacement.

3. Product Features

- Controls up to four (4) HID lights at 240 Volts.
- Maximum 4000 Watts capacity.
- Equipped with industrial-grade Allen Bradley ballast-rated relays.
- Includes a 120 Volt accessory timed outlet (max 2 Amps) for fans or other low-amperage devices.
- Activates via a relay trigger cord set, connecting to an external 24-hour wall timer.
- Universal outlets for flexible cord set compatibility.
- Built-in On/Off switch for easy lamp maintenance.
- Durable powder-coated steel enclosure.
- Removable back panel for simplified wiring into your power system.

4. Setup and Installation

Proper installation is crucial for safe and efficient operation. It is recommended that a qualified electrician perform the wiring.

4.1 Mounting the Controller

1. Select a suitable, dry location for mounting the controller, away from direct heat, moisture, and flammable materials.
2. Ensure the mounting surface is sturdy enough to support the unit's weight (approximately 8.78 pounds).
3. Use appropriate fasteners (not included) to securely mount the controller to the wall or desired surface.

4.2 Electrical Wiring

The Helios 4 is designed for 240 Volt operation ONLY. Refer to the wiring diagram on the unit and below for correct connections.



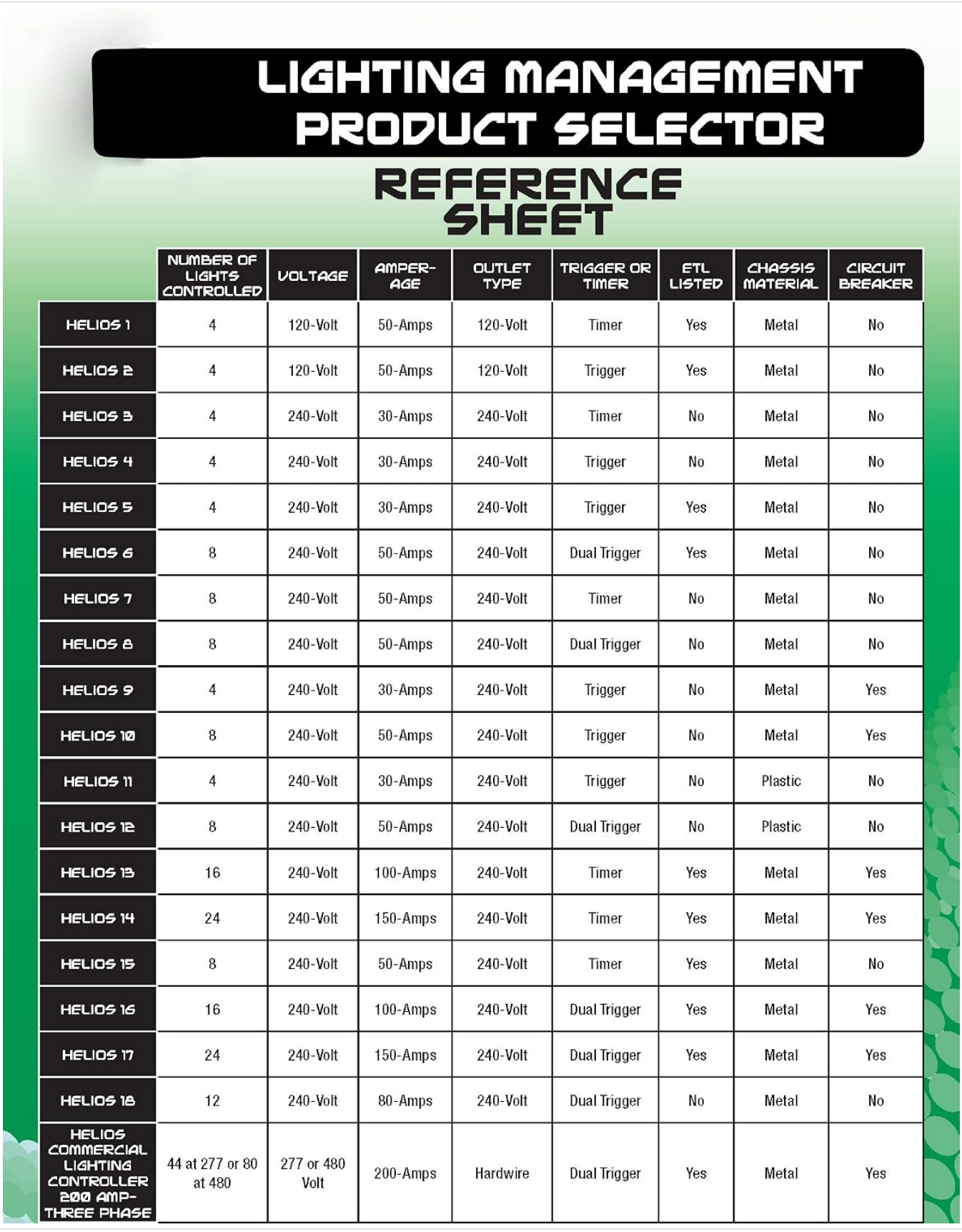
Figure 2: Wiring Terminals for 240 Volt Input

- **Input Power:** Connect the 240 Volt input power to the designated terminals. The unit requires 30 Amps input power.
- **Output to Ballasts:** Plug your 240 Volt HID ballasts (up to four) into the universal output receptacles on the controller.
- **Accessory Outlet:** The 120 Volt timed accessory outlet can be used for a low-amperage device such as an in-line fan (maximum 2 Amps).
- **Trigger Cord:** Plug the controller's relay trigger cord set into an external 24-hour wall timer (not included). This external timer will control the ON/OFF cycles of your lights.

5. Operation

The Helios 4 controller simplifies the management of multiple grow lights by centralizing power distribution and timing control.

1. **Connect Lights:** Ensure all HID ballasts are securely plugged into the universal output receptacles.
2. **Connect Trigger Timer:** Plug the controller's relay trigger cord into your external 24-hour wall timer. Set your desired ON/OFF schedule on the external timer.
3. **Power On:** Once all connections are secure and the external timer is set, turn on the main power supply to the controller. The controller will then follow the schedule set on your external timer.
4. **Accessory Outlet:** Any device plugged into the 120 Volt timed accessory outlet will operate simultaneously with the main lighting schedule.
5. **On/Off Switch:** Use the built-in On/Off switch on the controller for manual control or to safely power down the lights for maintenance without disrupting the external timer settings.



	NUMBER OF LIGHTS CONTROLLED	VOLTAGE	AMPERAGE	OUTLET TYPE	TRIGGER OR TIMER	ETL LISTED	CHASSIS MATERIAL	CIRCUIT BREAKER
HELIOS 1	4	120-Volt	50-Amps	120-Volt	Timer	Yes	Metal	No
HELIOS 2	4	120-Volt	50-Amps	120-Volt	Trigger	Yes	Metal	No
HELIOS 3	4	240-Volt	30-Amps	240-Volt	Timer	No	Metal	No
HELIOS 4	4	240-Volt	30-Amps	240-Volt	Trigger	No	Metal	No
HELIOS 5	4	240-Volt	30-Amps	240-Volt	Trigger	Yes	Metal	No
HELIOS 6	8	240-Volt	50-Amps	240-Volt	Dual Trigger	Yes	Metal	No
HELIOS 7	8	240-Volt	50-Amps	240-Volt	Timer	No	Metal	No
HELIOS 8	8	240-Volt	50-Amps	240-Volt	Dual Trigger	No	Metal	No
HELIOS 9	4	240-Volt	30-Amps	240-Volt	Trigger	No	Metal	Yes
HELIOS 10	8	240-Volt	50-Amps	240-Volt	Trigger	No	Metal	Yes
HELIOS 11	4	240-Volt	30-Amps	240-Volt	Trigger	No	Plastic	No
HELIOS 12	8	240-Volt	50-Amps	240-Volt	Dual Trigger	No	Plastic	No
HELIOS 13	16	240-Volt	100-Amps	240-Volt	Timer	Yes	Metal	Yes
HELIOS 14	24	240-Volt	150-Amps	240-Volt	Timer	Yes	Metal	Yes
HELIOS 15	8	240-Volt	50-Amps	240-Volt	Timer	Yes	Metal	No
HELIOS 16	16	240-Volt	100-Amps	240-Volt	Dual Trigger	Yes	Metal	Yes
HELIOS 17	24	240-Volt	150-Amps	240-Volt	Dual Trigger	Yes	Metal	Yes
HELIOS 18	12	240-Volt	80-Amps	240-Volt	Dual Trigger	No	Metal	No
HELIOS COMMERCIAL LIGHTING CONTROLLER 200 AMP-THREE PHASE	44 at 277 or 80 at 480	277 or 480 Volt	200-Amps	Hardwire	Dual Trigger	Yes	Metal	Yes

Figure 3: Helios Product Selector Reference Sheet (Helios 4 is 240V, 30 Amps, Trigger)

6. Maintenance

Regular maintenance ensures optimal performance and longevity of your Helios 4 controller.

- **Cleaning:** Periodically wipe the exterior of the controller with a dry, soft cloth. Do not use liquid cleaners or solvents.

- **Ventilation:** Ensure that the ventilation openings are clear of dust and debris to prevent overheating.
- **Connections:** Regularly check all electrical connections for tightness and signs of wear or damage. Address any issues promptly.
- **Lamp Replacement:** Always use the built-in On/Off switch to power down the lights before replacing lamps. Allow lamps to cool completely before handling.

7. Troubleshooting

If you encounter issues with your Helios 4 controller, refer to the following common troubleshooting steps:

- **Lights Not Turning On:**
  - Check if the main power supply to the controller is active.
  - Verify that the external 24-hour timer is correctly set and functioning.
  - Ensure the relay trigger cord is securely plugged into the external timer.
  - Confirm that the built-in On/Off switch on the controller is in the 'On' position.
  - Inspect individual ballast and lamp connections.
- **Accessory Outlet Not Working:**
  - Check if the accessory device is functioning independently.
  - Ensure the accessory device does not exceed the 2 Amp maximum rating.
  - Verify the main lights are operating, as the accessory outlet is timed with them.
- **Overheating:**
  - Ensure adequate airflow around the controller.
  - Verify that the total wattage of connected lights does not exceed 4000 Watts.

If problems persist after attempting these steps, contact Titan Controls customer support or a qualified electrician.

8. Specifications

Product Dimensions	16.2 x 13.5 x 6.3 inches
Item Weight	8.78 pounds
Manufacturer	Sunlight Supply Inc.
ASIN	B004MUY58C
Item Model Number	702675
Brand	Titan Controls
Voltage	240 Volts
Input Amperage	30 Amps
Output Amperage	20 Amps
Frequency	60 Hz

Max Wattage	4000 Watts
UPC	870883003203, 791090251570
Global Trade Identification Number	00870883003203

9. Warranty and Support

The Titan Controls Helios 4 Light Controller comes with a**3-year manufacturer's warranty** covering parts and labor. For technical support, troubleshooting assistance, or warranty claims, please contact Titan Controls customer service. Refer to the manufacturer's website or product packaging for the most current contact information.

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

Open the live page

https://manuals.plus/asin/B004MUY58C

More documents and user manuals: **https://manuals.plus/**