

4 or 8 Outlets Light Controller

Instruction Manual

Thank you for choosing to grow with our Light Controllers! Your satisfaction and success are important to us. For best results, carefully read the following instructions before using light controller.

Features of Your Light Controller.

- Controls up to four or eight 1000W high intensity discharge (HID) ballasts, including both metal halide (MH) and high pressure sodium (HPS) lighting systems.
- Integrated 120V trigger cable facilitates any timed lighting sequence when connected to a standard 24-hour timing device or other environmental controller (available separately).
- Green LED indicator illuminates when light controller. is activated and ON via the trigger cable function.
- Composed of high-quality components for reliable, long-term performance.
- Wall-mountable.

Specifications	
4 Outlets Light Controller	8 Outlets Light Controller
Main Power Voltage: 120V OR 240V	Main Power Voltage: 120V OR 240V
Receptacle Type: 4 Universal Outlets	Receptacle Type: 8 Universal Outlets
Max Lighting Wattage: 4000W total/1000W per Outlet	Max Lighting Wattage: 8000W total/1000W per Outlet
Max Relay Amperage: 30A	Max Relay Amperage: 30A (x2Relays)
Trigger Cable Voltage: 120V	Trigger Cable Voltage: 120V
Operating Temperature Range: 32-110°F	Operating Temperature Range: 32-110°F
Operating Humidity Range: 0-99% RH Noncondensing	Operating Humidity Range: 0-99% RH Noncondensing
Minimum Relay Operations: 100,000 @ Full Load	Minimum Relay Operations: 100,000 @ Full Load

IMPORTANT PRECAUTIONS

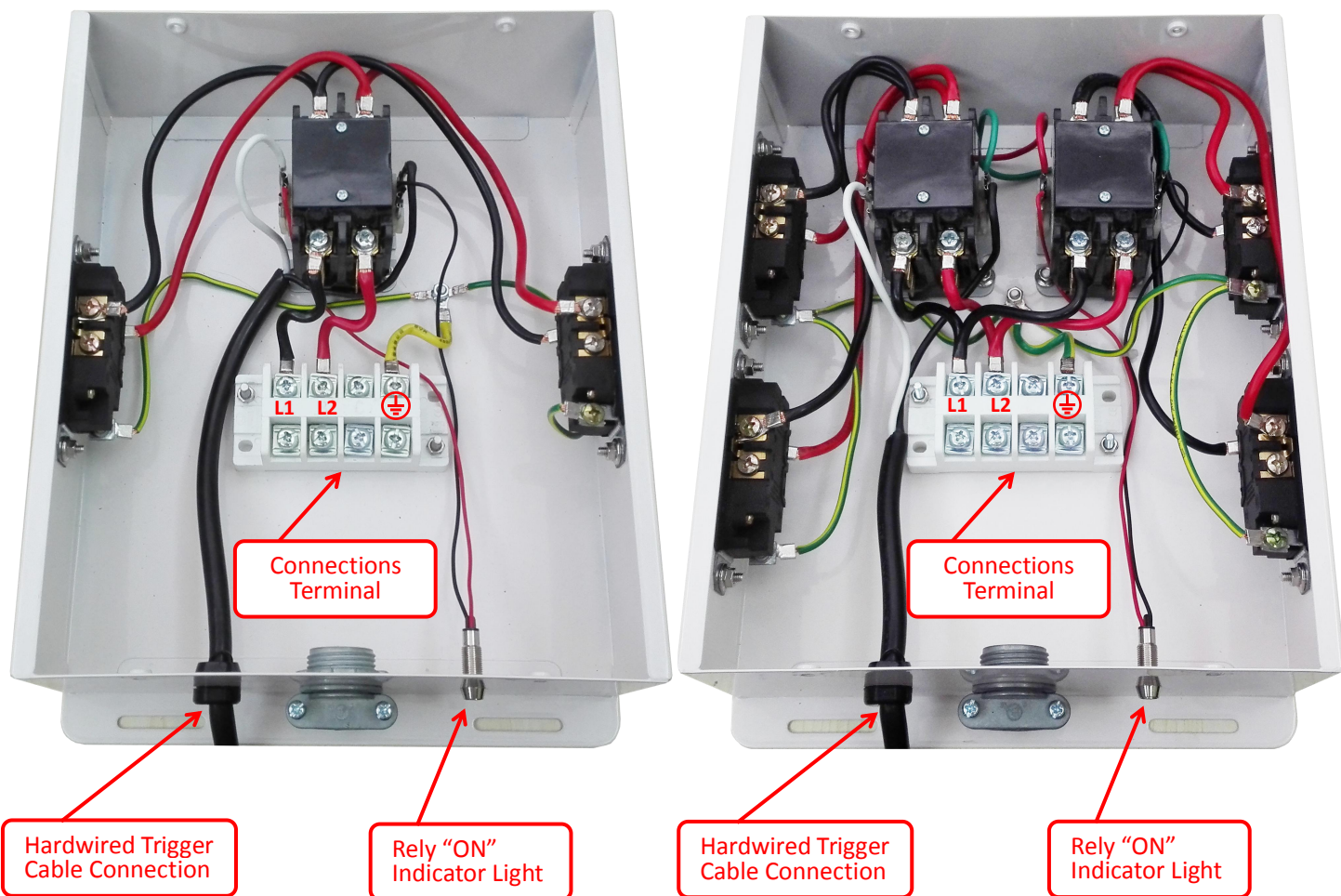
- Consult a licensed electrician prior to installation or have the unit professionally installed.
- Read all product specifications and instructions before installation and operation.
- DO NOT install the Light Controller if you are unfamiliar with electrical wiring and circuits OR if you do not fully understand the instructions.
- All local and national electrical codes MUST be followed.
- Use the Light Controller ONLY for its intended purpose.
- DO NOT exceed the maximum ratings of this unit.
- Verify all devices to be controlled by the Light Controller are of the correct voltage.
- Unit is for indoor use only. Exercise extreme caution in moist or humid environments.
- Improper installation or use of this controller could result in severe damage and/or personal injury.

Main Power Requirements

A main power source must be supplied for the lights to function.

- Verify main power source has the same voltage and amperage ratings as the equipment being controlled by the Light Controller (see specifications above).
- Main power can be hardwired to a circuit breaker panel or installed using the appropriate high-amperage portable cable and connector end (not included).
- **4 Outlets Light Controller, Use only a 30A, 2-pole circuit breaker and #10 AWG wire to provide the main power.**
- **8 Outlets Light Controller, Use only a 50A, 2-pole circuit breaker and #6 AWG wire to provide the main power.**
- Proper connection of the ground wire to the ground lug is critical for safe operation.
- All connected ballasts MUST BE wired correctly and according to the main power voltage.

*The Light Controller with universal 120/240V receptacles can be used to operate 120V devices ONLY IF the main power is also wired in at 120V. Connecting a 120V ballast to a controller with 240V main power could result in damage or fire. Consult the ballast manufacturer for any questions concerning the electrical requirements.



* 240V main power requires ballasts wired for 240V (most common application).

* 120V main power requires ballasts wired for 120V.

Installation

DO NOT connect ballasts to the Light Controller until AFTER the main power has been properly installed.

Main Power Connection

- Use a screwdriver to remove each of the four screws securing the front cover to the back casing.
- Feed the properly rated main power cable into the cable clamp and tighten the clamp to secure the cable in place.
- Insert the green or bare ground wire into the grounding terminal and secure.
- Strip the insulation from the main power wires. Insert and tighten each bare wire end into the terminals.
- Turn on the circuit breaker or connect the main power cable connection. The Light Controller will now be powered.
- Use a voltage meter to verify correct voltage BEFORE plugging ballasts into the Light Controller. If connected to a 240V circuit, the voltage meter should read approximately 240V. If connected to a 120V circuit, the voltage meter should read approximately 120V.
- Once all voltage has been verified, carefully reinstall the front cover.

Trigger Cable Testing

- 120V trigger cable MUST be connected to an external timing device or controller providing 120V to the main relay.
- Main relay will close when the trigger cable is connected and activated, producing a distinct click.
- When the trigger cable is plugged in to an external device and the externally connected timer/controller is ON, the green LED indicator light will illuminate.
- When the trigger cable is disconnected from the external timer/controller, the green LED indicator light will turn off.
- Unplug the trigger cable from the external timer/controller after it has been tested for proper operation.

Ballast Connection

- Verify trigger cable is disconnected from the external timer or controller.
- Connect ballast power cables to the receptacles on the Light Controller.
- Connect the trigger cable to the external timer or controller.