ITEM	DESCRIPTION
1	Replacement Single Pole 6x16 150 Amp Terminal Block for Blueprint Lighting Controller
2	Replacement16 mm Ground Bar Kit for Blueprint Lighting Controller
3	Replacement Single Trigger Cord Input for Blueprint Lighting Controller
4	Replacement Splice Connector for Blueprint Lighting Controller
5	Replacement Timing Module for Blueprint Lighting Controller
6	Replacement Circuit Breaker for Blueprint Lighting Controller
7	Replacement Receptacle for Blueprint Lighting Controller
8	Replacement Indicator Light for Blueprint Lighting Controller
9	Replacement Trigger Cord for Blueprint Lighting Controller

REVISION HISTORY

REV	DESCRIPTION	DATE	APPROVED
A	RELEASE	2021.02.26	C.L

PROPERTY OF

GrowGeneration Corp

		NAME	DATE	
DRAWING		C.L	2021.02.26	MATERIAL
CHECKED		Z.L	2021.02.26	
APPROVED		Z.L	2021.02.26	FINISH

DESCRIPTION ELECTRICAL SCHEMATIC FOR
24 Light Controller With Dual Trigger Cords

PART NO. 24 Light Controller With Dual Trigger Cords

| REV | A01 |
| SIZE | A01 |

DO NOT SCALE DRAWING

SHEET 1 OF 1

A3

![Blueprint Controllers logo] **BLUEPRINT** ®
Controllers

HUB-24BP

Blueprint Controllers Commercial Hub 24 Site

24 Light Controller

24 Light Controller

Warnings & Cautions

- Read all instructions before operating:
- Do not put your controller in an area where it can get wet or sprayed.
- When using "bug bombs" in area, the controller should be completely covered to avoid corrosion.
- There are no serviceable parts in the controller. Do not attempt to repair the unit.
- Do not put paperclips, tools, etc. into unit. Possible electrocution may occur.
- Make sure to verify your power source prior to wiring controller into power source.
- Check that all equipment that will be activated by this controller is 240 Volts.
- This controller is designed for 'Indoor Use' only.
- Avoid placing the controller near heat sources.
- Do not use when operating controller in extremely humid environments.
- Do not use controller for purposes other than the intended function.
- This controller is designed for use with MAGNETIC OR ELECTRONIC BALLASTS.
- Mount your controller securely to the wall using hardware provided.
- Use controller within defined environmental specifications.
- Ask your Dealer for tips and techniques regarding the use of this controller.

24 Light Controller - With Dual Trigger Cords Overview

The 24 light controller is designed to operate a lighting system. The controller is built with heavy duty relays and industrial breakers for each bank of 4 lights and powder coated steel enclosure to control your ballasts. There is a 30 seconds delay between each bank of four (4) 1000 watt lights. The controller should be installed by a certified electrical professional.

Instructions for Operation

- The 24 Light Controller must be installed by a licensed electrician or you will void your warranty.
- DO NOT install this controller by yourself. **High voltage is dangerous!**
- Securely mount your 24 Light Controller.
- A UL listed 150 Amp circuit breaker must be installed in this application.
- Connect your incoming 240 Volt power to the terminal block of the 24Light Controller.
- Attach the ground wire to the "Grounding Lug" of the 24 Light Controller.
- Verify that all your wiring connections are tight and that no loose wires are exposed.
- Plug your ballasts into the universal outlets on the front of the 24 Light lighting controller.
- Securely attach the front panel of the 24 Light Controller to avoid potential shock or injury before initiating power to controller.
- Plug relay trigger cord sets into an external 24 hour appliance timer(s).
- Make sure that all wires and cables have been properly secured.
- Activate single phase 240 volt/60 Hz. power to the 24 Light Controller.
- When the relays are activated via the external 24 hour timer, you will hear a "CLUNK" sound and your lights will come "ON".
- Your 24 Light Controller will now control your lights at the desired settings until the power is defeated.

Caution: Lamps are hot and should be allowed to cool a minimum of 15 minutes before handling.

ONLY FOR USE WITH 240 VOLT EQUIPMENT

Troubleshooting Tips

If the 24 Light Controller is not performing as expected, try the following:

a. Contact a certified Electrician to service your 24 Light Controller.

b. Confirm that your power input is active from your power panel and providing 240Volts / 150Amps / 60Hz to the controller.

C. Check the voltage input using a voltage test meter to verify power is flowing to the controller.

d. Make sure all of your connections are tight. Loose connections can cause "arcing".

e. After activating relay, confirm that power is active and proper at your 240 volt outlets.

f. Verify that your power cords and ballasts are functioning properly and that there are no shorts or arcing occurring.

g. Check ballasts & lights in known 240 Volt power source to verify they are working properly.

Controller Specifications

- Main Power Voltage = 240 Volts
- Wire = Minimum 1/0 AWG Wire(75°C Copper Conductors ONLY)
- Maximum Wattage = 24,000 Watts (1000 Watts per outlet)
- Maximum Input Amperage=150 Amps
- Maximum Output Amperage=120 Amps
- Relay Coil Voltage= 120 VAC
- Hertz= 60 Hz
- Receptacle Type = Universal
- Operating Temperature=40-125°F (4.5-52°C)
- Storage Temperature = 32-135°F (0-57°C)
- Size= 34.39"H x 19.79" W x 5.20"D
- Weight = 54.3 lbs
- RoHS compliant= Yes

Warranty Information

- Blueprint Controllers® warrants the original purchase of this product against defects in material and workmanship under normal use for one (1) year from the date of purchase.

- During the warranty period, Blueprint Controllers® will, at our option, and without charge, repair or replace this product if the controller or any of its components fail or malfunction.

- All returns or repairs must be accompanied by a Return Merchandise Authorization (RMA) number prior to any service of the product.

- This warranty is expressly in lieu of all other warranties, expressed or implied, including the warranties of merchantability and fitness for use and of all other obligations or liabilities on the part of the seller.

- This warranty shall not apply to this product or any part thereof which had been damaged by accident, abuse, misuse, modification, negligence, alteration or misapplication.

- Controllers with serial numbers or date tags that have been removed, altered or obliterated; broken seals or that show evidence of tampering; mismatched board serial numbers or nonconforming parts; are excluded from coverage.

- Blueprint Controllers® makes no warranty whatsoever in respect to accessories or parts not supplied by Blueprint Controllers .

- Monetary refunds of the warranty will not be given.

- The Buyer assumes all responsibility regarding the use & installation of this controller.

- All warranty service is provided through the factory or an authorized service representative.

- This warranty shall apply only to the United States, including Alaska, Hawaii and territories of the United States and Canada.

- Defective controllers need to be returned with the "proof of purchase" receipt.

- For additional warranty information, contact your Dealer.

NOTE: Blueprint Controllers® is a controller manufacturer. All sales offerings to the public are done through a nationwide group of Dealers. No sales offerings will be made directly to the general public.

Service and Repair Program

- Blueprint Controllers® will, at its discretion, repair or replace the controller.

- Factory calibration services are available for all Blueprint Controllers®

- Returning Units: Please contact your retail store for returns.

BLUEPRINT Controllers ®

blueprintcontrollers.com