



BLC-4

Basic Lighting Controller 4 Outlet



BLC-8

Basic Lighting Controller 8 Outlet



BLC-4 & BLC-8

Basic Lighting Controllers

Important Warnings and Cautions

- Read all instructions before installation and usage.
Save these instructions.
- Unit must be installed by a certified electrician
- Follow all applicable local electrical standards
- Never exceed recommended amperage
- Verify power source prior to connecting unit to power source
- Make sure unit is securely mounted
- Do not mount unit near heat generating sources
- This unit shall not be exposed to dripping, splashing or spraying of liquids. Protect unit from vapors, foggers etc.
- Clean unit with clean dry cloth, no oils or solvents.
- Protect any power cords from being walked on, pinched or crushed.
- Unit is designed for indoor use only
- Unit is to be used within defined environmental parameters
- Use caution when operating in high humidity environments
- This unit contains no user-serviceable parts. Do not attempt to service this product.
- Verify that all equipment connected to unit is of proper voltage
- Do not put paperclips, tools etc inside unit openings or receptacles. Possible fire, shock or death may occur.

Troubleshooting Information

- Confirm that trigger cable is plugged in, and green LED signifying 120 volt trigger activation is illuminated.
- Confirm that all connections are proper and tight
- Confirm that power input is active and providing appropriate 240v 60hz to the unit
- Check and verify incoming power voltage using a voltage test meter
- Check and verify that voltage is proper and active to the 240v side mounted outlets
- Verify that all equipment attached to the unit is connected properly

Checking Your Ballasts

Before making any connections, you must verify that all ballasts you plan to run with the BLC-4 or BLC-8 are properly wired. Ballasts must be wired for 240VAC operation. Some ballasts will need different power cables, some ballasts will need the input cover flipped, some ballasts will need to be rewired internally. Please consult your ballast instructions or your ballasts manufacturer if you are unsure.

OPERATING BALLAST(S) WITH IMPROPER VOLTAGE CAN RESULT IN BALLAST DESTRUCTION, FIRE, PROPERTY DAMAGE, BODILY HARM OR DEATH.



Scan this code to learn more about the Sentinel **BLC-4** on your smart phone!



Scan this code to learn more about the Sentinel **BLC-8** on your smart phone!



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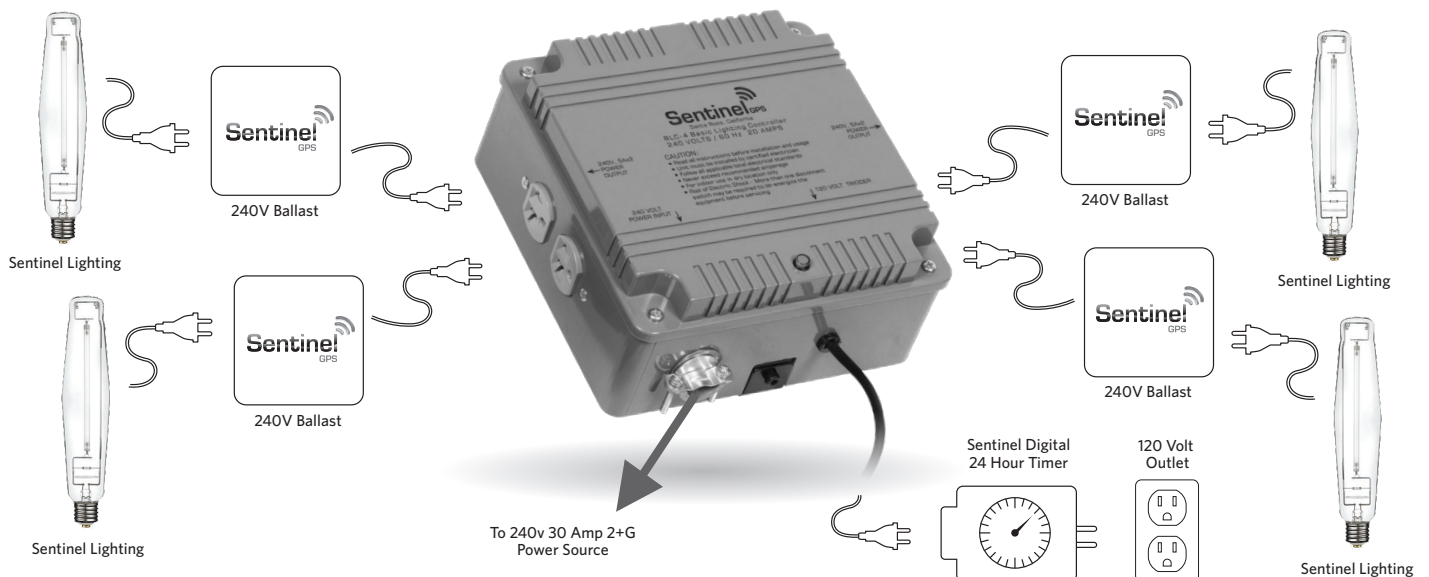
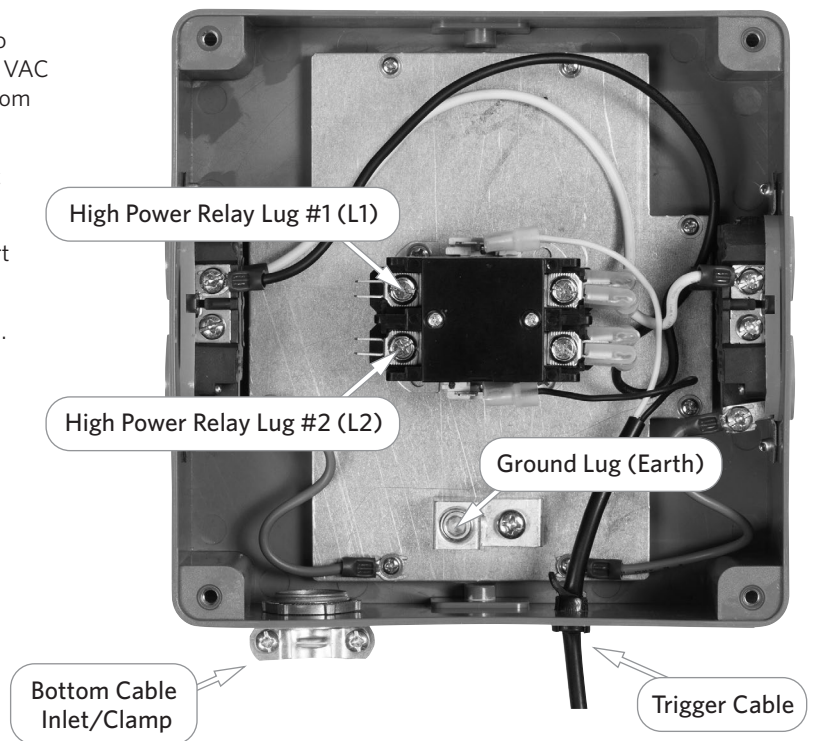
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Installing BLC-4 Basic Lighting Controller

4 Outlet

Installation and Operation Instructions

- Securely mount the BLC-4 to the wall using appropriate hardware, indoors, taking care to separate the unit from spray/water/mist/fog/vapors.
- Make sure all ballasts are disconnected from the side sockets of the BLC-4. Make sure the trigger cable is disconnected from any timers or outlets. More than one disconnect switch may be required to de-energize the equipment.
- Open the BLC-4 front cover by removing the four screws on the unit face.
- Using 10 gauge 2+G wire or cable appropriately wired to 30A Dual Pole Circuit Breaker, bring your incoming 240 VAC / 60HZ service line through the cable clamp at the bottom of the unit.
- Line 1 (hot) to the high power relay lug #1. Do not insert wire so deep as to interfere with relay operation.
- Line 2 (hot) to the high power relay lug #2. Do not insert wire so deep as to interfere with relay operation.
- Green ground wire (Earth) to the ground lug connection.
- Verify that all wiring connections are tight to prevent arcing. Loose connections will cause extreme heat build-up in the wires followed by arcing. Arcing is NOT covered under warranty and is dangerous! Make sure no loose wires are exposed.
- Tighten cable clamp on bottom of unit.
- Replace front cover and replace all four (4) screws.
- Plug 240V AC / 60HZ equipment into outlets located on the left and right side of the unit.
- Plug the NEMA 1-15 trigger cord into a 120V AC / 60 HZ timer. Sentinel suggests using Sentinel MDT-4, HID-2 BLC-1a or other Sentinel brand timer(s) for best control and operation.
- Make sure all wires and cables have been secured properly.
- Set timer to operate lights to desired times.



Installing BLC-8 Basic Lighting Controller 8 Outlet

Installation and Operation Instructions

1. Securely mount the BLC-8 to the wall using appropriate hardware, indoors, taking care to separate the unit from spray/water/mist/fog/vapors.
2. Make sure all ballasts are disconnected from the side sockets of the BLC-8. Make sure the trigger cable is disconnected from any timers or outlets. More than one disconnect switch may be required to de-energize the equipment.
3. Open the BLC-8 front cover by removing the four screws on the unit face.
4. Using 6 gauge 2+G wire or cable appropriately wired to 50A Dual Pole Circuit Breaker, bring your incoming 240 VAC / 60HZ service line through the cable clamp at the bottom of the unit.
5. Line 1 (hot) to the high power relay lug #1 on the bottom relay. Do not insert wire so deep as to interfere with relay operation.
6. Line 2 (hot) to the high power relay lug #2 on the bottom relay. Do not insert wire so deep as to interfere with relay operation.
7. Green ground wire (Earth) to the ground lug connection.
8. Verify that all wiring connections are tight to prevent arcing. Loose connections will cause extreme heat build-up in the wires followed by arcing. Arcing is NOT covered under warranty and is dangerous! Make sure no loose wires are exposed.
9. Tighten cable clamp on bottom of unit.
10. Replace front cover and replace all four (4) screws.
11. Plug 240V AC / 60HZ equipment into outlets located on the left and right side of the unit.
12. Plug the NEMA 1-15 trigger cord into a 120V AC / 60 HZ timer. Sentinel suggests using Sentinel MDT-4, HID-2 BLC-1a or other Sentinel brand timer(s) for best control and operation.
13. Make sure all wires and cables have been secured properly.
14. Set timer to operate lights to desired times.

