

INSTALLATION INSTRUCTIONS



VOLT® Dock Light Controller

Help Hotline:

1-813-978-3700 • Mon-Fri 8am-8pm • Sat-Sun 10am - 6pm (EST)

Specifications and product details subject to change without notice.
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! Important: Please Read Before Installation

Low voltage installation and maintenance is safe and presents no risk for electric shock injury. However, there are regulations that may apply and that should be followed by installers. The following safety points may or may not be included in these regulations - the installer is responsible for ensuring a compliant installation.

These instructions do not intend to cover all variations in installation, operation maintenance or mounting situations.

1. **WARNING- RISK OF SHOCK.** Install power unit at least 10 feet (3m) from water.
2. **WARNING-** install power unit in or on non-combustible materials only.
3. Power supply must be connected (using supplied power cord) to GFCI protected receptacle with an In-use cover.
4. All power supplies are indoor and outdoor rated, but we recommend that the controller be mounted outdoors. If mounting indoors, check for local electrical codes that may apply.
5. Power supply must be mounted in a vertical orientation with the bottom plate at least 1 foot above the ground.
6. In hot climates, avoid mounting in direct sunlight. Power unit will get hot regardless of climate. This is normal for operation.

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WARNING - Risk of Electric Shock. Install power unit 10 feet (3m) or more from water surface. Where the power unit is installed outdoors, connect power unit to a receptacle protected by a GFCI.

CAUTION: FOR USE ONLY ON A BRANCH CIRCUIT PROTECTED BY A CLASS A TYPE GROUND FAULT CIRCUIT INTERRUPTER

FOR USE WITH LANDSCAPE LIGHTING SYSTEMS ONLY

THIS DEVICE IS ACCEPTED AS A COMPONENT OF A LANDSCAPE LIGHTING SYSTEM WHERE THE SUITABILITY OF THE COMBINATION SHALL BE DETERMINED BY CSA OR LOCAL INSPECTION AUTHORITIES HAVING JURISDICTION

DO NOT CONNECT TWO OR MORE POWER SUPPLIES IN PARALLEL

! Important: Please Read Before Installation

DO NOT MOUNT POWER SUPPLY OR LUMINAIRES WITHIN 3 METERS OF WATER.

Specific instructions for mounting, proper wiring, grounding, and servicing. Type and minimum length of flexible cord or cable for connection to each secondary output circuit of the power supply. The supply circuit for the landscape lighting system shall be protected by a Class A type ground fault circuit interrupter, unless it is provided with the landscape lighting system. A cord-connect landscape lighting system shall not be used with an extension cord.

! FCC WARNING:

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

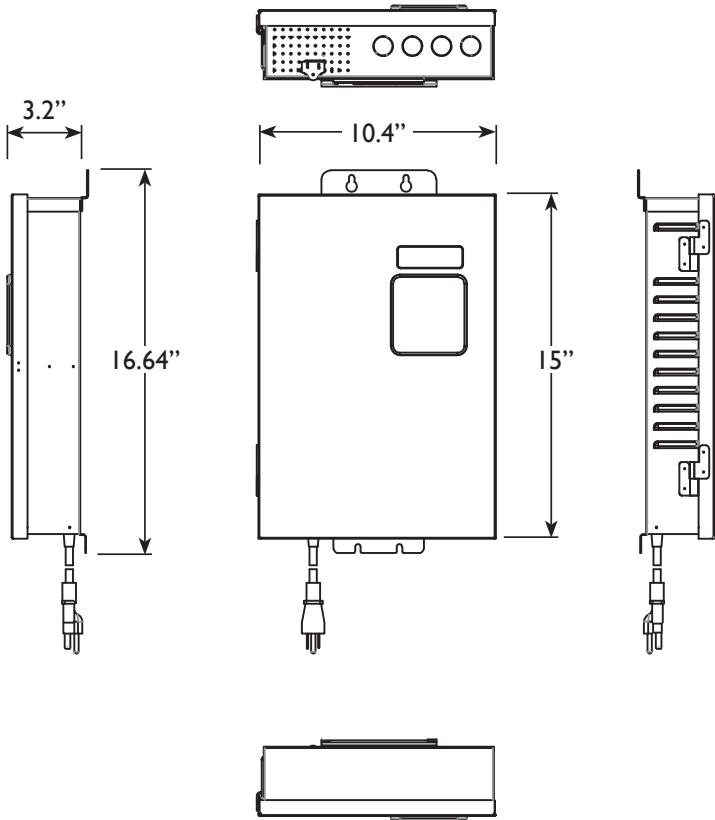
1. this device may not cause harmful interference, and
2. this device must accept any interference received, including interference that may cause undesired operation.



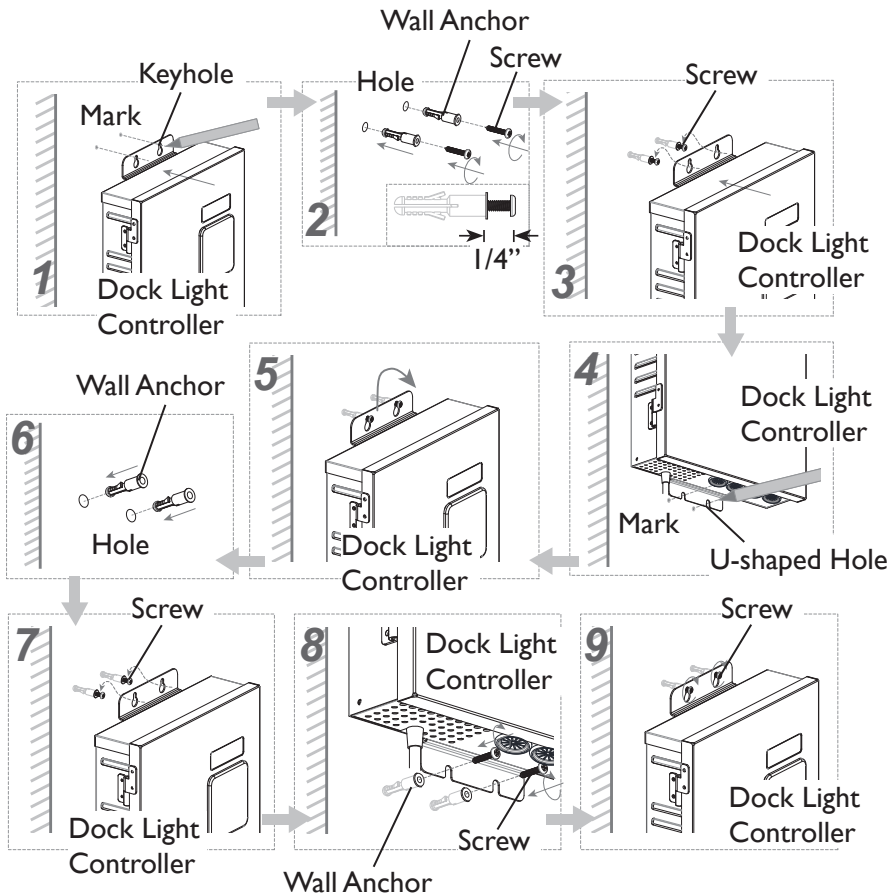
Package Contents

- A. (1) Dock Light Controller
- B. (1) IR Remote Controller
- C. (4) Wall Anchors
- D. (4) Screws

Product Dimensions



1 Install Dock Light Controller



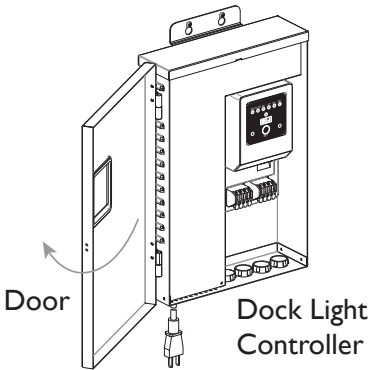
1. Place the dock light controller onto your desired location and mark two points on the wall surface from keyholes on the top of the dock light controller.
2. Drill 1/4" holes from marks and insert wall anchors into the drilled holes completely. Thread screws into wall anchors and leave approximate 1/4" length out of wall anchors.
3. Hang the keyholes on the dock light controller onto the two screws.
4. Mark two points on the wall surface from U-shaped holes on the bottom of the dock light controller.
5. Remove the dock light controller.
6. Drill 1/4" holes from marks and insert wall anchors into the drilled holes completely.



1 Install Dock Light Controller (Continued)

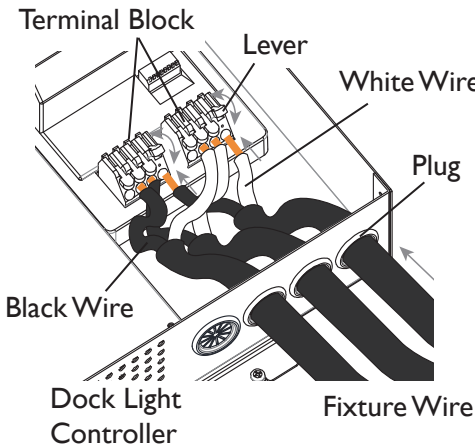
7. Place dock light controller back onto the screws.
8. Pass the rest two screws through U-shaped holes on the bottom of the dock light controller and thread them into wall anchors. Hand tighten until snug.
9. Hand tighten the screws on the top of the dock light controller until snug.

2 Open the Door



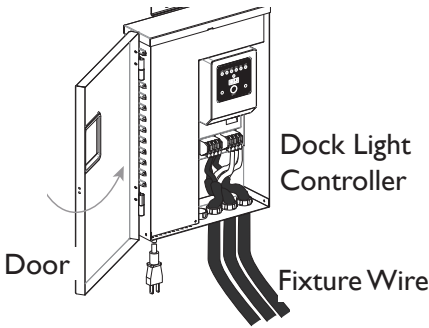
Open the door of the dock light controller.

3 Install Fixture Body



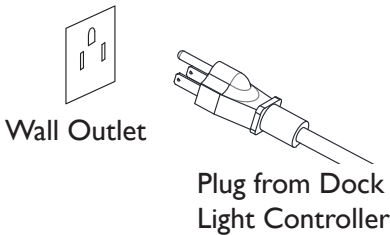
1. Pass the fixture wire through the plug into the dock light controller. Strip leads of supply wires.
2. Open the levers on the terminal blocks.
3. Identify the wire polarity: white wire is positive; black wire is negative.
4. Insert white positive wires into one terminal block; insert black negative wires into another terminal block.
5. Push levers down to secure the wires.

4 Close the Door



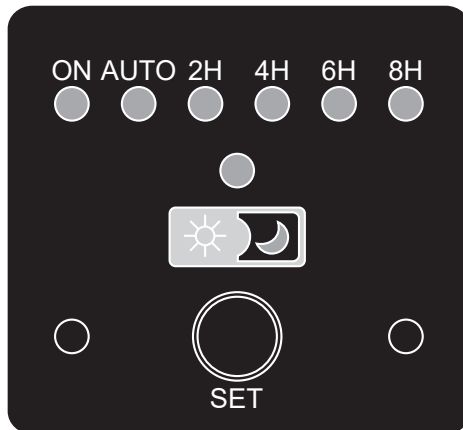
Close the door of the dock light controller.

5 Connect to Wall Outlet



Insert the plug from dock light controller to wall outlet.

Controller Functions



1. Select a controller mode using the “SET” button on controller. The “SET” button will scroll through controller modes according to the following sequences:
ON--->AUTO--->2Hrs--->4Hrs--->6Hrs--->8Hrs--->OFF--->.....
2. The selected controller mode will be saved and remembered for future when power on and power off. When the controller is shutdown

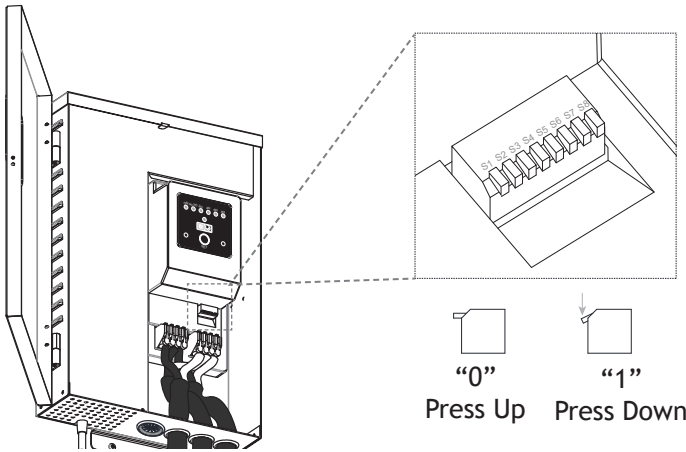


Controller Functions (Continued)

by pressing remote OFF, pressing ON again to return to the working mode before OFF. If current is AUTO mode, shutdown the controller by pressing OFF, and pressing ON again, it is AUTO mode.

3. In “ON” mode, the lights will always be on.
4. In “AUTO” mode, the lights will be on at dusk and off at dawn that realized by the function of the photocell part.
5. In “2Hrs”/“4Hrs”/”6Hrs”/“8Hrs” mode, the controller will be controlled by ambient light. When the ambient light drops to 15 LUX and last for 20 seconds, the controller will power on for specific hours. After the ambient light reaches 60 LUX and last for 60 seconds, the controller will power off and it cycles every day.
6. When all lights on the controller is OFF, the power is interrupted.

Code Switch Configuration



1. S1-S3 are for network address setting, address range: 000-111; the default address is 000 (switches keep up status). Address setting rules:
 - Single controller: Do not care about address settings.
 - Multiple controllers form as a network segments: please set same address (S1-S3) for the controller that need synchronization. The

Code Switch Configuration (Continued)

first three switch set same status(press up or press down).

- Multiple controllers form as different network segments: if controllers require synchronization, set the same address for those controllers, and the first three switches (S1-S3) should be set to the same (up or down); if controllers do not require synchronization, set different address, and the first three switches should be set to different status(up and down) (S1-S3).
2. S4 is Primary and secondary settings. When S4 is pressed up, this controller is primary control- start function of sending synchronization signal; Default is (UP) primary. When S4 is pressed down, this controller is secondary control, No sync signal sending function.
 - Single controller: The S4 defaults to up, which is the primary.
 - Multiple controllers form the same network segment : the S4 bit of the switch of only one controller is primary (press up), and the S4 of other controllers is secondary (down).
 - Multiple controllers form different network segment: refer to above (Multiple controllers form the same network segment).
 3. S5-S8: Reserved.
 4. Hardware/software configuration of primary between multiple controllers. Hardware primary is the controller whose the S4 of the switch is pressed up. Hardware secondary is the controller whose the S4 of the switch is pressed down.
 - When the hardware primary is disconnected in the network, hardware secondary will start software primary function after 30S to ensure that there is a synchronization signal.
 - After the hardware primary returns to normal, the software primary function of the secondary will turn off.
 - When there are multiple secondary controls in the network, the software primary function is enabled through competition to ensure that there is a synchronization signal in the network.
 5. Day and night synchronization between multiple controllers
 - When powered on, based on the current state, synchronize other secondary in the network through the primary.
 - During operation: Refer to the change of last actived control.
 - The last changed control is offline: After offline for 30 seconds, it will return to the current state of controls. If there are multiple controllers, it will be generated through competition.

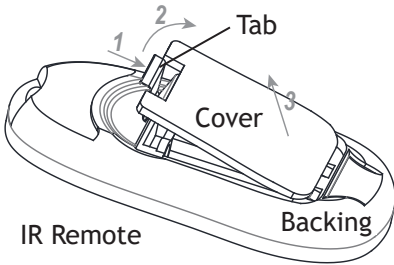
Note: The effective distance between multiple controllers can be greater than 15m in an open area.



IR Remote

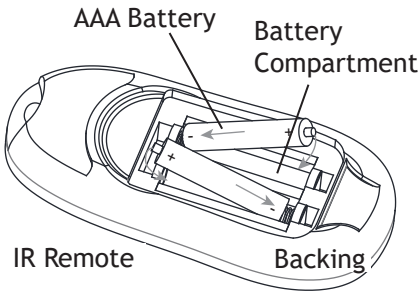
An IR Remote is for this fixture. The IR remote requires two AAA batteries.

1 Remove the Battery compartment Cover



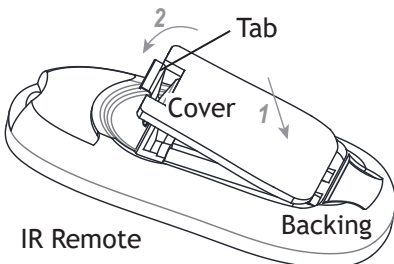
Press the tab and rotate the battery compartment cover to remove it from the IR Remote.

2 Install Two AAA Batteries



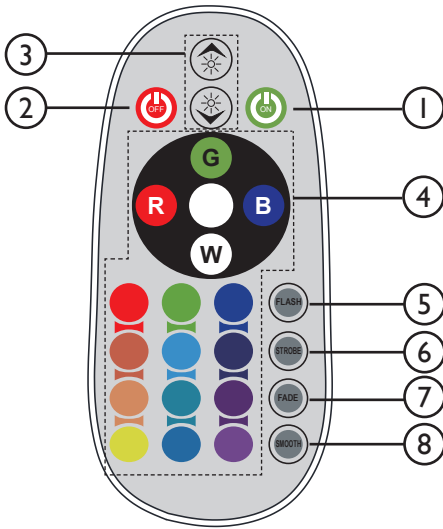
Place two AAA batteries into the battery compartment properly.

3 Install the Battery compartment Cover



Place the battery compartment cover back onto the IR Remote.

4 IR Remote Functions



1. On
2. Off
3. Brightness Control
4. 16 color selections
5. Flash: 7 color flash (R-G-B-RG-GB-BR-RGB) with two modes (Press FLASH once: It is mode A; Press it again: It is mode B.) Mode A and mode B can switch alternately.
 - Mode 1: 7 colors flash in sequence: R-G-B-RG-GB-BR-RGB. Each color flash for 260ms per cycle, then switch to next color automatically, and follow above flash mode

continuously and automatically.

- Mode 2: 7 color flash in sequence in fade mode: R-G-B-RG-GB-BR-RGB. When each color is FLASH, the brightness fade in and fade out for 2000ms, and then enters the FLASH to next color. One cycle(flash from R-G-B-RG-GB-BR-RGB) finished, then follow above flash mode continuously and automatically.
6. Strobe: Flash with two modes: mode A & mode B. Press STROBE once, it is mode A, press it again, it's mode B. Press any static color button, then press STROBE again, it will return to mode A.
 - Mode A: Press any static color button, then press STROBE, current static color will flash continuously- flash for 260ms and then off for 260ms, then flash again;
 - Mode B: RGB flash continuously - flash for 260ms and then off for 260ms, then flash again;
 7. Fade: Flash with two modes: mode A & mode B. Press FADE once, it is mode A, press it again, it's mode B. Press any static color button, then press FADE again, it will return to mode A.
 - Mode A: Press any static color button, then press FADE, current static color flash and the brightness fade in and fade out for 2100ms, then keep following this FLASH mode continuously.
 - Mode B: RGB flash and the brightness fade in and fade out for 2100ms, and then keep following this FLASH mode continuously.



IR Remote Functions (Continued)

8. Smooth: 3 color (R-G-B) with two modes (Press SMOOTH once: It is mode A; Press it again: It is mode B.) Mode A and mode B can switch alternately.
 - Mode A: 3 colors flash in sequence, order: R-G-B. Each color flash for 260ms then switch to next color automatically, and following above flash mode continuously and automatically.
 - Mode B: The 3 color flash in fade mode, When each color is flash, the brightness fade in and fade out for 2100ms, and then enters the flash to next color. One cycle (flash from R-G-B) finished, then following above flash mode continuously and automatically.