

Installation Manual for Models:

CE-DC12V4
CE-DC12V8
CE-DC12V16

Included Items:

(1) 12 Volt Power Supply
(2) Phillips-Head Screws
(1) Power Cable, 6ft
(1) Power Cable Clip

Required Items:

Phillips-Head Screwdriver
Mounting Screws/Bolts

| Model | Number of Outputs | Output Voltage | Total Output Power | Max Output per Channel | Dimensions (W x H x D) |
|------------|-------------------|----------------|--------------------|------------------------|------------------------|
| CE-DC12V4 | 4 | 12 Volts DC | 6 Amp | 1 Amp | 8" x 10.5" 3.5" |
| CE-DC12V8 | 8 | 12 Volts DC | 6 Amp | .5 Amp (500mA) | 8" x 10.5" 3.5" |
| CE-DC12V16 | 16 | 12 Volts DC | 12.5 Amp | .5 Amp (500mA) | 10.875" x 12" 3.375" |



The lightning flash with an arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

WARNING:

- To reduce the risk of fire or electric shock, do not expose the unit to rain or moisture.
- This installation should be made by qualified service personnel and should conform to all local codes and in accordance with the National Electrical Code.
- Use 75°C or higher rated UL insulated wiring for connecting the unit to the mains.
- For Indoor Use Only!
- Risk of electrical shock and/or equipment damage. Disconnect power before servicing this appliance.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

CAUTION:

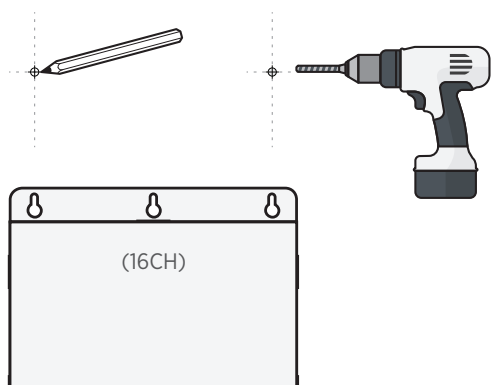
- Maintain a 1/4" of separation between the AC mains and all low voltage wiring.
- A readily accessible switched circuit breaker must be available to disconnect main power as required.
- This unit contains no user-serviceable parts, installation and servicing should only be made by qualified personnel.
- Install in accordance with local regulations and national electric code.
- Measure output voltage before connecting devices. This helps avoid potential damage.

Clinton reserves the right, without notification, to make changes in product design & specification.

Actual product may vary slightly from the images shown in this manual.

Installation

1

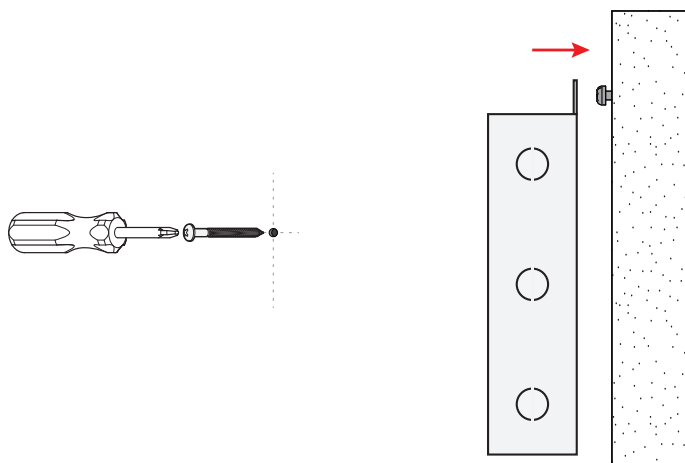


1. Mark and pre-drill holes on the wall where enclosure is to be mounted. Choose a vertical surface (wall) strong enough to support the full weight of the assembly. Select a mounting location in an area without excessive moisture; **for indoor installation only** and in a secured area.



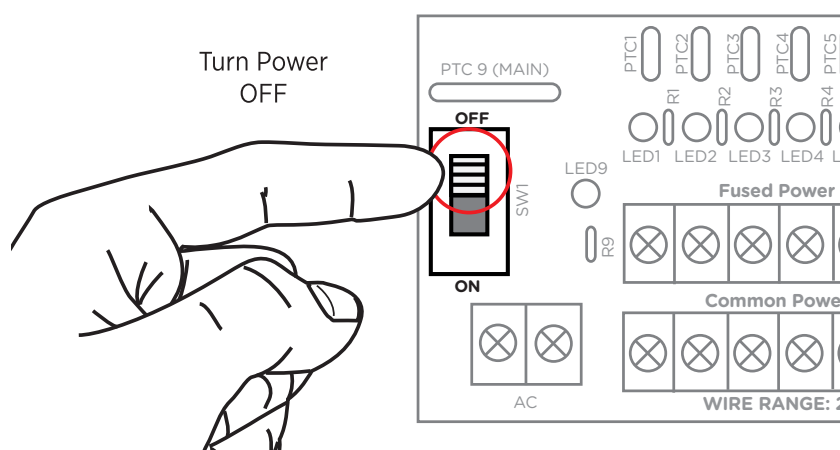
FOR INDOOR INSTALLATION ONLY

2



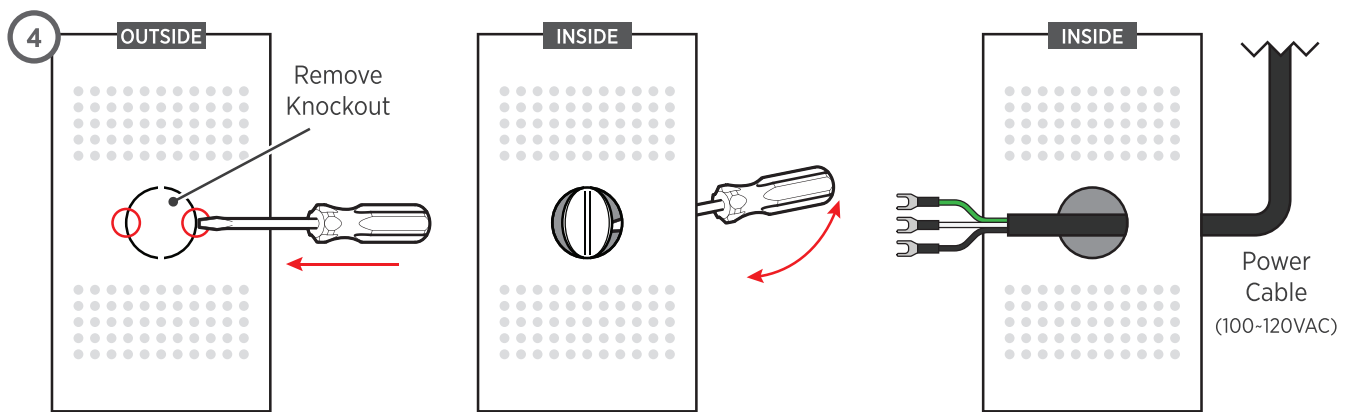
2. Install two upper fasteners (sufficient length 1/8" bolts or screws, not included) in the wall with the screw heads protruding. Place the enclosure's upper keyholes over the two upper screws, level and secure. Mark the position of the lower two hole(s). Remove the enclosure. Drill the lower hole(s). Place the enclosure's upper keyholes over the two upper screws. Install the lower screw(s) and make sure to tighten all screws. Secure enclosure to earth ground.

3

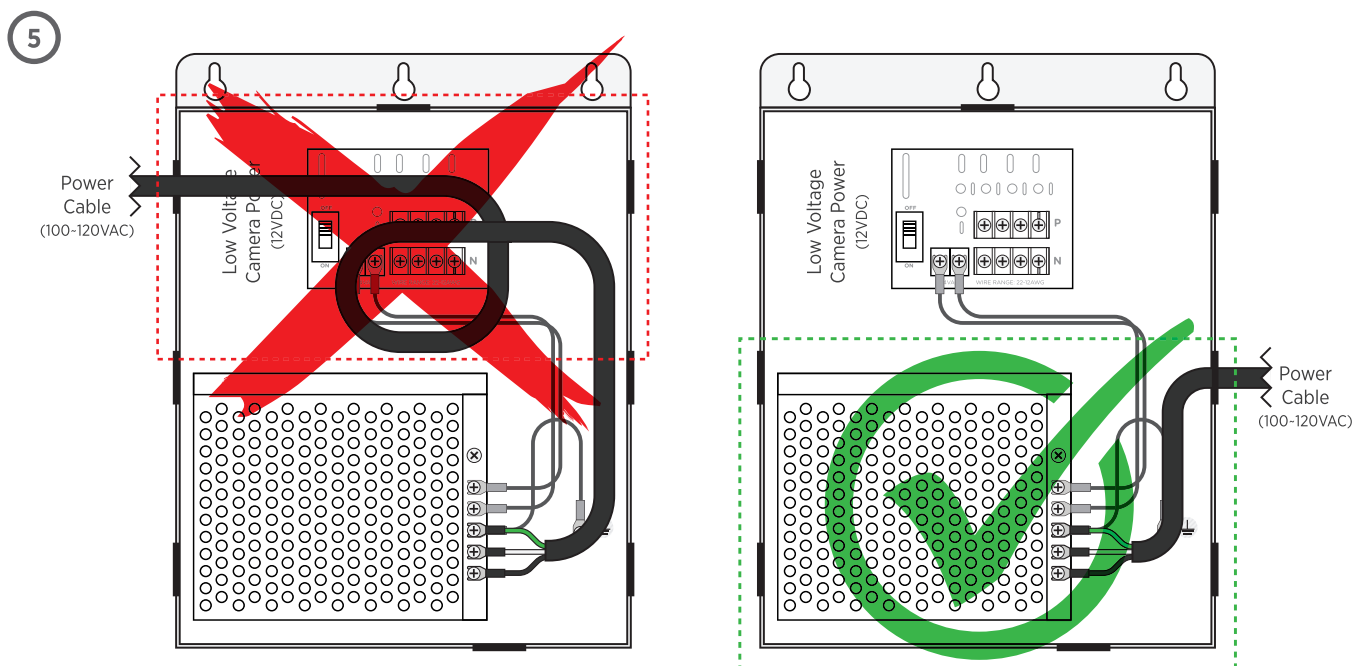


3. Slide switch on Power Supply PD (Power Distribution) board to OFF position.

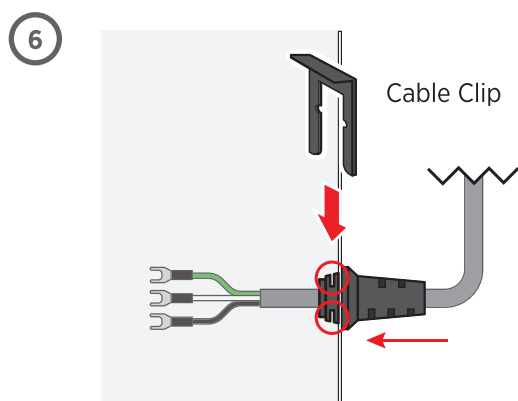
Installation



4. Remove a knockout on the bottom half of the enclosure. *(It may be easier to remove the knockout with the enclosure off the wall)* To remove a knockout; push/strike inward with a flathead screwdriver or chisel on either side of the knockout. After the knockout is loose, pry the screwdriver and knockout from side to side to remove from the enclosure. Once the knockout is removed from the bottom half of the enclosure, insert the Power Cable into the enclosure.

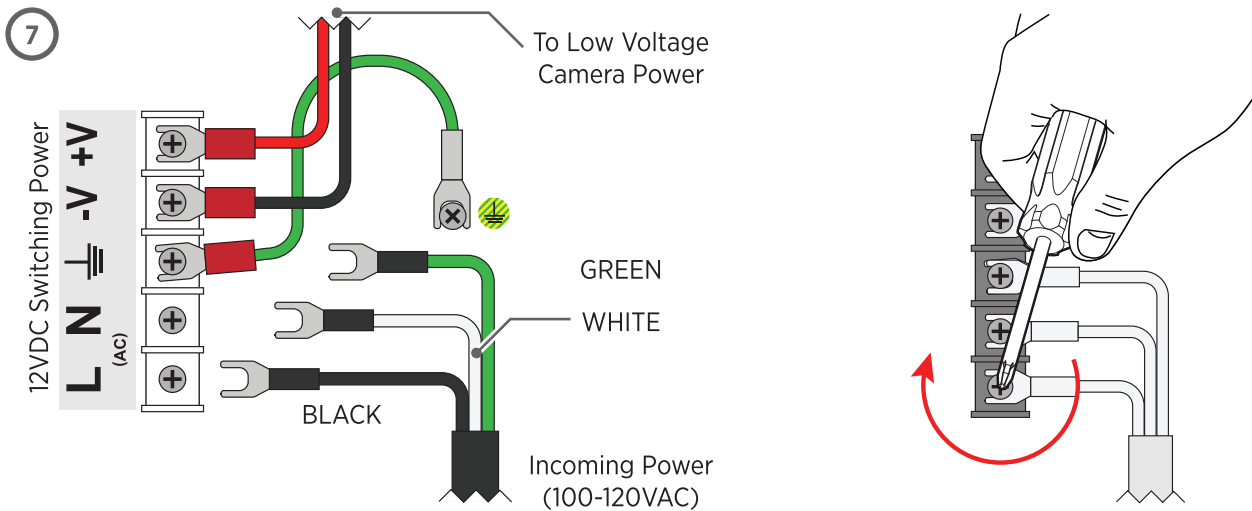


5. Route the Power Cable through the hole made from removing the knockout on the bottom half of the enclosure. Ensure that the Power Cable maintains a distance of at least 1/4" from the low voltage DC camera power.



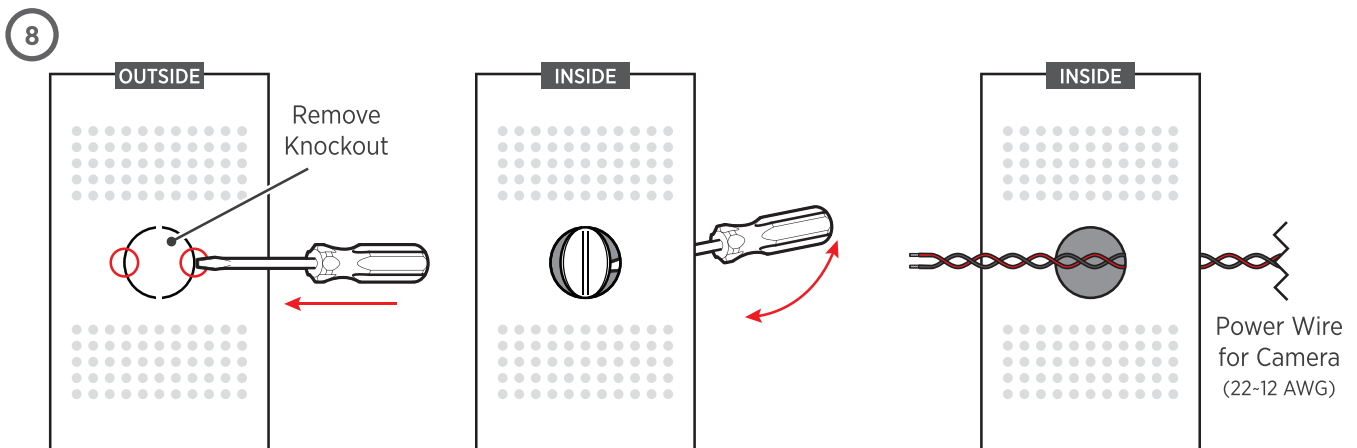
6. Secure the Power Cable to the enclosure with the supplied clip. Push boot on cable firmly against the enclosure and slide the clip into the notches on the boot from inside of the enclosure.

Installation



7. Use a Phillips head screwdriver to connect incoming 100 ~ 120 VAC main power (60 Hz) to the terminals marked L, N and \equiv :
- Hot (L1) (**BLACK**) to terminal marked "L".
 - Neutral (L2) (**WHITE**) to terminal marked "N".
 - Ground (**GREEN**) to terminal marked " \equiv ". (This terminal will share 2 spade/fork connectors).

Ensure that terminal screws (Phillips head screws) are tightened securely before moving on to the next step.



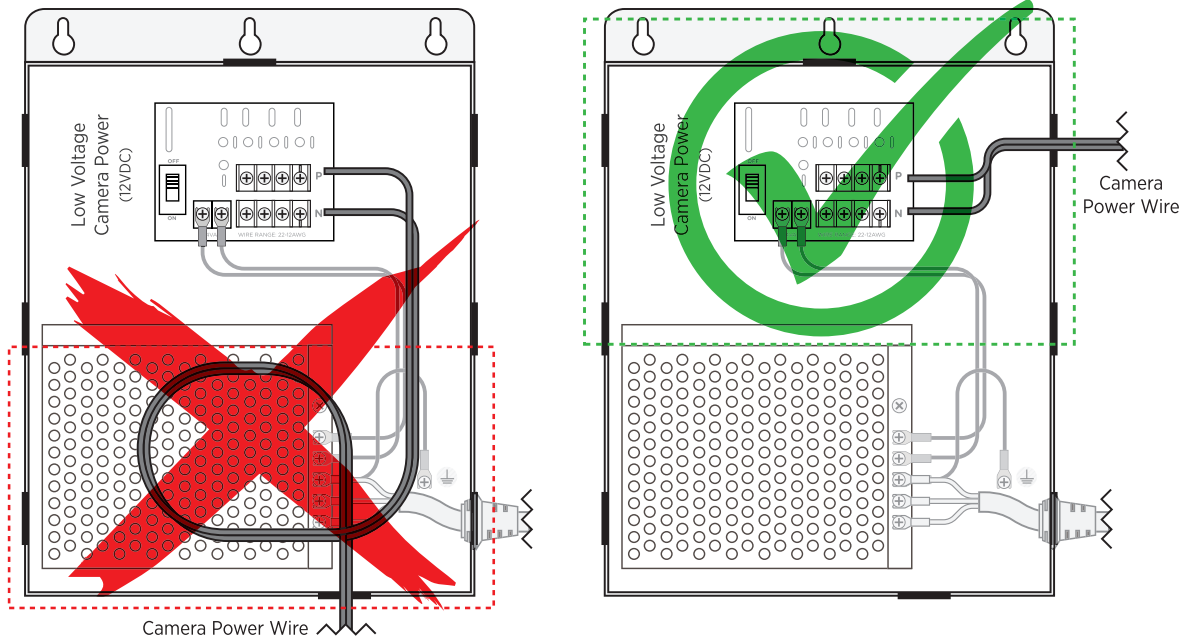
8. Remove separate knockout(s) for the low voltage camera wiring. It is recommended to use a knockout on the top half of the enclosure. DO NOT use the same knockout opening as the main power source. Once the knockout(s) are removed from the top half of the enclosure, insert the Camera Power Wires into the enclosure. (Camera Power Wires Not Included).



**DO NOT USE THE SAME KNOCKOUT
OPENING AS THE MAIN POWER SOURCE**

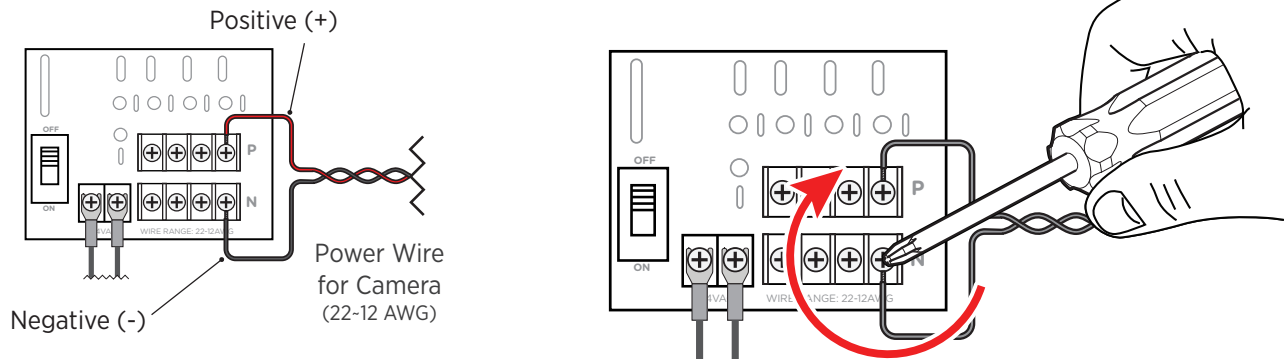
Installation

9



9. Route the Camera Power Wires into the hole made from removing the knockout on the top half of the enclosure. Ensure that the low voltage DC camera power maintains a distance of at least 1/4" from the main AC power.

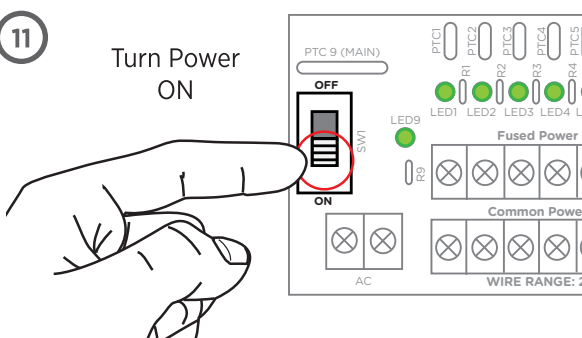
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10. Connect CCTV cameras (or other external loads) to appropriate terminals, carefully observing polarity. Tighten terminal connections with Phillips head screwdriver.

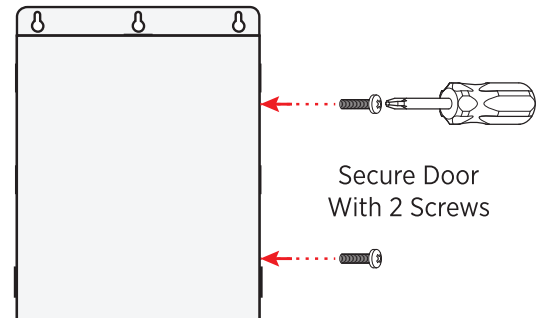
Ensure that terminal screws (Phillips head screws) are tightened securely before moving on to the next step.

11



11. Slide switch on Power Supply to ON position. LEDs will illuminate green with proper power connections.

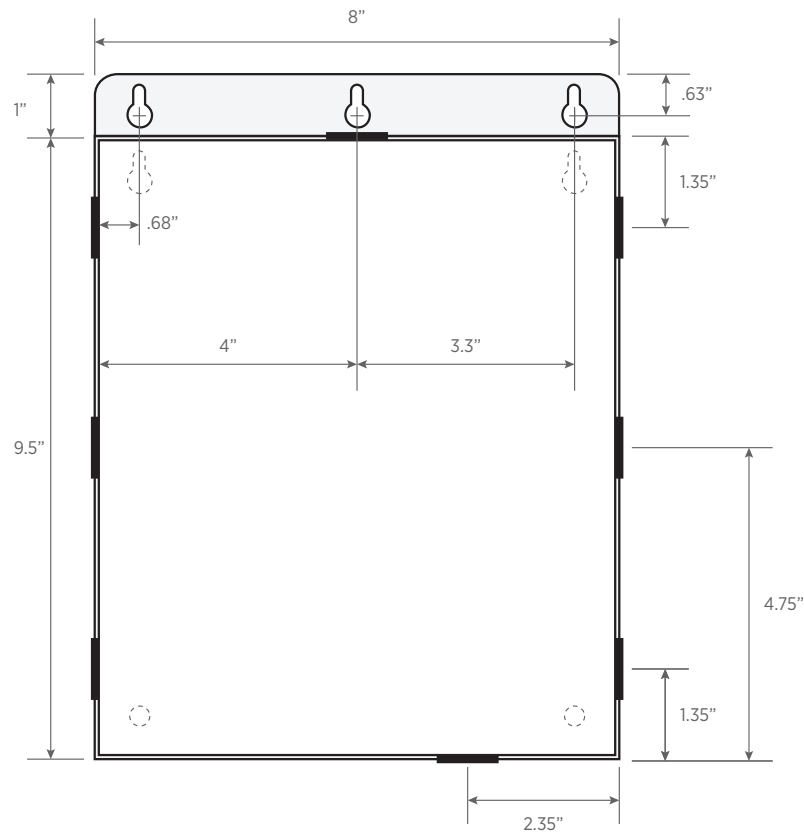
12



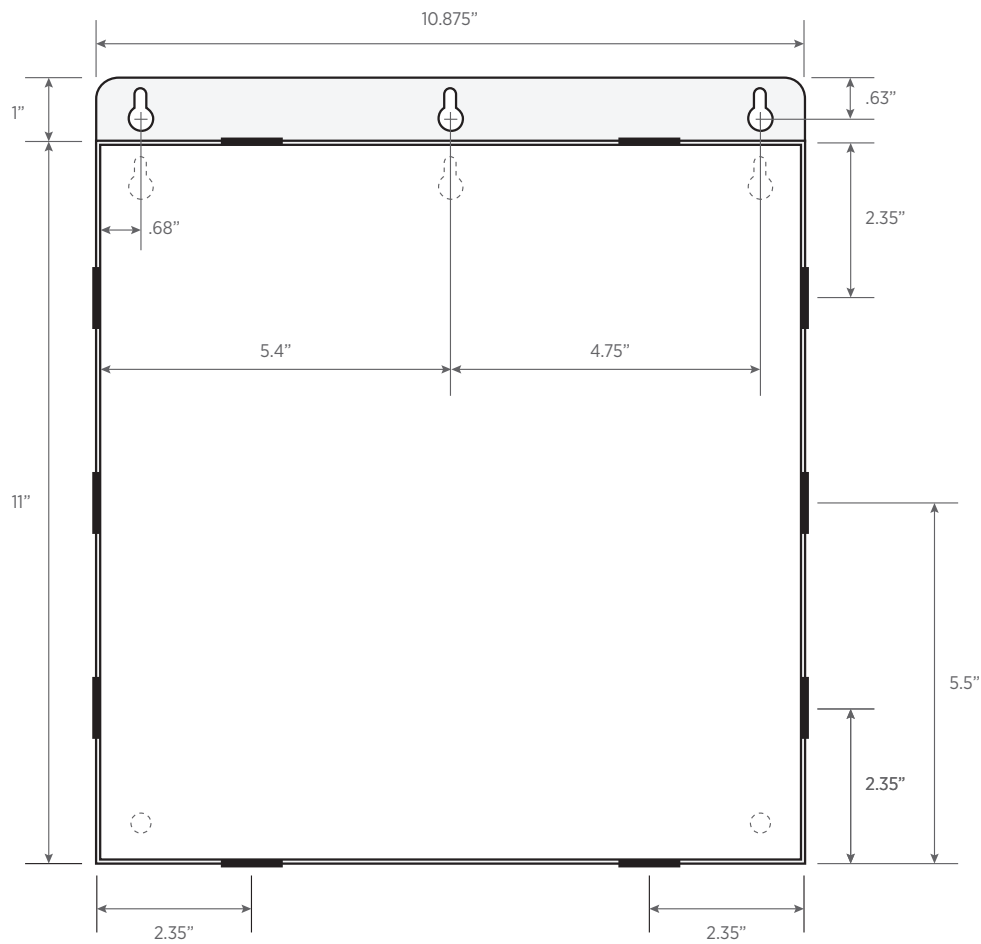
12. Upon completion of wiring, secure enclosure door with 2 screws (supplied) or use an optional lock (not included).

Dimensions

For Models:
CE-DC12V4
CE-DC12V8



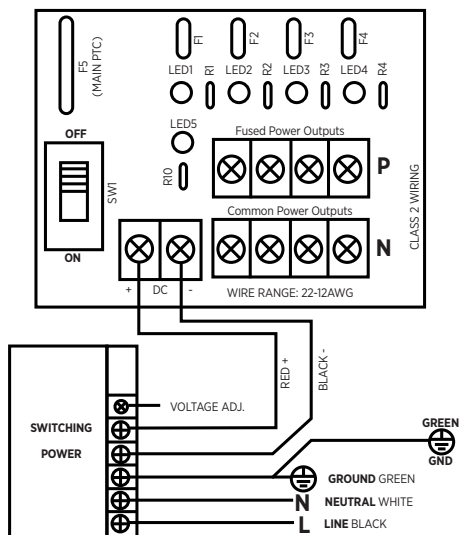
For Models:
CE-DC12V16



Wiring

CE-DC12V4

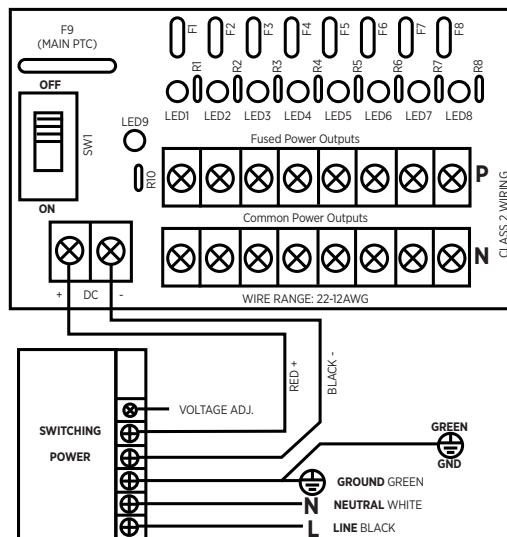
OUTPUT 1A/12VDC EACH TERMINAL
TOTAL OUTPUT 6A/12VDC



Output voltage is factory set to 12 Volts DC. Voltage is adjustable from 10.8V-13.2V using the voltage adjustment pot.

CE-DC12V8

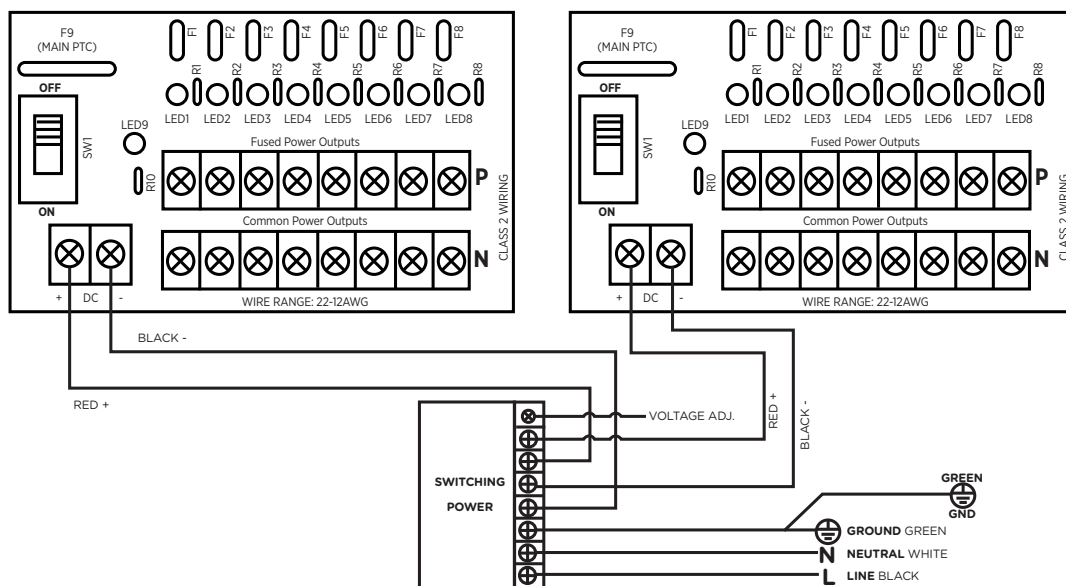
OUTPUT 0.5A/12VDC EACH TERMINAL
TOTAL OUTPUT 6A/12VDC



Output voltage is factory set to 12 Volts DC. Voltage is adjustable from 10.8V-13.2V using the voltage adjustment pot.

CE-DC12V16

OUTPUT 0.5A/12VDC EACH TERMINAL
TOTAL OUTPUT 12.5A/12VDC



Output voltage is factory set to 12 Volts DC. Voltage is adjustable from 11.4V-13.2V using the voltage adjustment pot.

Voltage Drop Table for Wire Runs

| Current Draw | Cable Length (feet) | Voltage at Camera (22 awg wire) | | Voltage at Camera (16 awg wire) | |
|--------------|---------------------|---------------------------------|------------|---------------------------------|------------|
| | | 24 Volt AC | 12 Volt DC | 24 Volt AC | 12 Volt DC |
| 100 mA | 500 | 22.4 | 12.2 | 23.4 | 13.17 |
| | 1,000 | 20.8 | 10.61 | 22.7 | 12.53 |
| | 1,500 | 19.2 | 9.01 | 22.1 | 11.9 |
| | 2,000 | 17.6 | 7.42 | 21.5 | 11.27 |
| | 3,000 | 14.4 | 4.23 | 20.2 | 10 |
| | 5,000 | 8.1 | 0 | 17.7 | 7.47 |
| 150 mA | 500 | 21.6 | 11.41 | 23.1 | 12.85 |
| | 1,000 | 19.2 | 9.01 | 22.1 | 11.9 |
| | 1,500 | 16.8 | 6.62 | 21.2 | 10.95 |
| | 2,000 | 14.4 | 4.23 | 20.2 | 10 |
| | 3,000 | 9.7 | 0 | 18.3 | 8.10 |
| 200 mA | 500 | 20.8 | 10.61 | 22.7 | 12.53 |
| | 1,000 | 17.6 | 7.42 | 21.5 | 11.27 |
| | 1,500 | 14.4 | 3.19 | 20.2 | 10 |
| | 2,000 | 11.2 | 1.04 | 18.9 | 8.74 |
| 300 mA | 300 | 21.1 | 10.93 | 22.9 | 12.66 |
| | 500 | 19.2 | 9.01 | 22.1 | 11.9 |
| | 1,000 | 14.4 | 4.23 | 20.2 | 10 |
| | 1,500 | 9.7 | 2.31 | 18.3 | 9.24 |
| 500 mA | 200 | 20.8 | 10.61 | 22.7 | 12.53 |
| | 300 | 19.2 | 9.01 | 22.1 | 11.9 |
| | 500 | 16 | 5.82 | 20.9 | 10.64 |
| 750 mA | 100 | 21.6 | 11.41 | 23.1 | 12.85 |
| | 200 | 19.2 | 9.01 | 22.1 | 11.9 |
| | 300 | 16.8 | 6.62 | 21.2 | 10.95 |
| | 500 | 12.1 | 1.84 | 19.3 | 9.05 |
| 1 Amp | 100 | 20.8 | 10.61 | 22.7 | 12.53 |
| | 200 | 17.6 | 7.42 | 21.5 | 11.27 |
| | 300 | 14.4 | 4.23 | 20.2 | 10 |
| 1.5 Amps | 100 | 19.2 | 9.01 | 22.1 | 11.9 |
| | 200 | 14.4 | 4.23 | 20.2 | 10 |