



### IMPORTANT SAFEGUARDS READ AND FOLLOW ALL SAFETY INSTRUCTIONS.

When using electrical equipment, basic safety precautions should always be followed including the following:

- **DISCONNECT AC POWER SUPPLY BEFORE SERVICING.**
- Installation and servicing of this equipment should be performed by qualified service personnel only.
- Ensure that the electrical wiring conforms to the National Electrical Code NEC® and local regulations if applicable.
- Do not mount near gas or electrical heaters.
- Do not use outdoors.
- Equipment should be mounted in locations and at heights where it will not be readily subjected to tampering by unauthorized personnel.
- The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
- Any modification or use of non-original components will void the warranty and product liability.
- Do not use this equipment for other than intended use.
- Allow battery to charge for 24 hours before first use.
- For use with metal enclosed wiring systems.

### SAVE THESE INSTRUCTIONS!

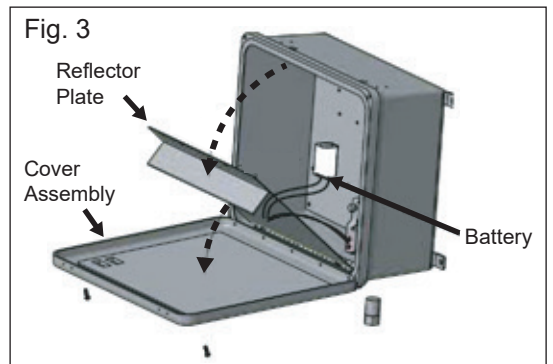
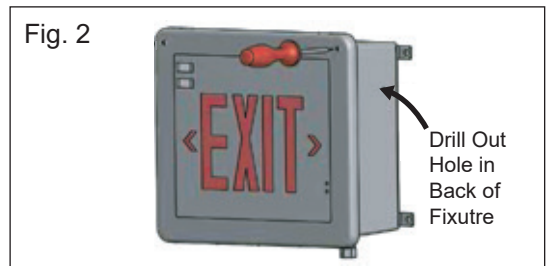
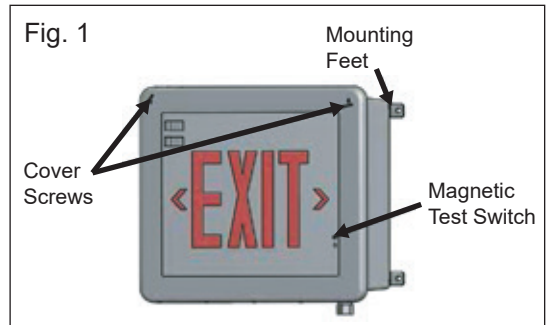
Technical Support ■ (623) 580-8943 ■ [technicalsupport@barronltg.com](mailto:technicalsupport@barronltg.com)

# CP-EX Series

## Installation Instructions

### Surface Wall Mount

1. Install the (4) mounting feet to the back of the fixture. (Fig. 1)
2. Remove the (2) cover screws and set aside. (Fig. 2)
3. Swing down the cover assembly and the reflector plate. (Fig. 3)
4. Drill a 7/8" hole in the back of the fixture (see Fig. 2) for the AC supply and/or remote load, making sure to avoid locations that would interfere with the contents within the housing. Install the bushing (provided).
5. Mount the fixture to the mounting surface by fastening the mounting feet using (4) fasteners (provided by others).
6. Make electrical connections; see **Electrical Connections** section.
7. Connect the battery to the PCB using the wire lead(s) from the positive circuit board terminal (+) to the positive terminal connector on the battery.  
**Note:** For large units, the battery/batteries may be shipped separate from the housing. Install the battery/batteries into the housing and make the appropriate battery connections.
8. If desired, remove appropriate chevrons. Chevrons are made of 2 layers of self-adhesive vinyl. To remove, maneuver a utility knife underneath the desired chevron so that both layers of vinyl are penetrated. Carefully peel the chevron away from the lens, working around the perimeter of the chevron until fully removed. Remove the backing from the double sided tape, align, then adhere the colored diffuser to the inside of the cover. (Fig. 4)
9. Position the reflector and secure with ties.
10. Close cover and secure cover screws.



# CP-EX Series

## Installation Instructions

### Electrical Connections

All electrical connections should be made inside the J-box. Make electrical connection as follows:

**Note:** Cap unused leads to prevent shorting.

#### AC Only or With Battery Models (Fig. 5 and 6) 120, 277, or 347VAC

White - Common

Black - 120VAC

Orange - 277VAC

or Red - 347VAC

#### Two Circuit Input (2CI) Models (Fig. 7)

**2CI option models** have two inputs, one for the AC input and the other for the auxiliary input. Please make connections as follows:

##### 105-360VAC Line

White - Common

Black - 105-360VAC

##### Auxiliary Line

Blue - Common

Brown - 105-360VAC

#### External DC Supply Models (Fig. 8)

If emergency power from an external DC power supply is desired, make connections as follows:

##### 120, 277, or 347VAC

White - Common

Black - 120VAC

Orange - 277VAC

or Red - 347VAC

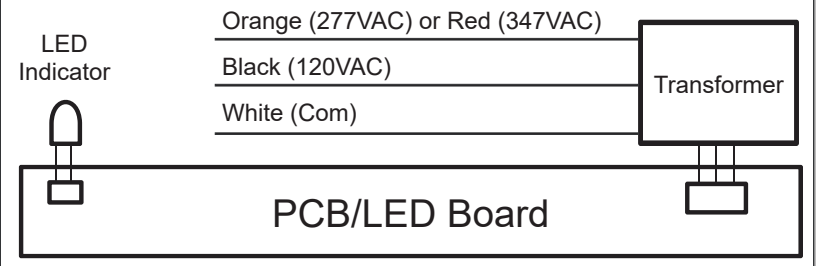
##### External DC Supply

Purple - Negative

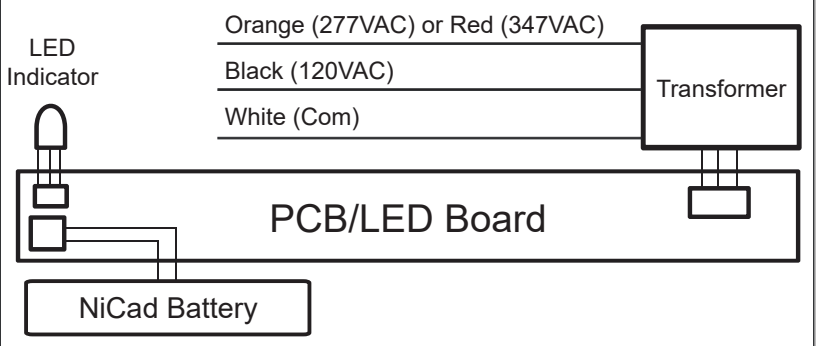
Yellow - 6-24VDC

**Note:** The AC and auxiliary power cannot be simultaneously live, consult factory for a solution.

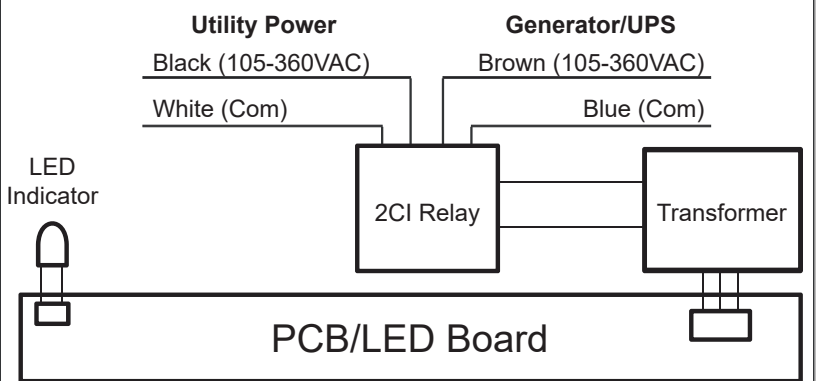
**Fig. 5 - AC Only**



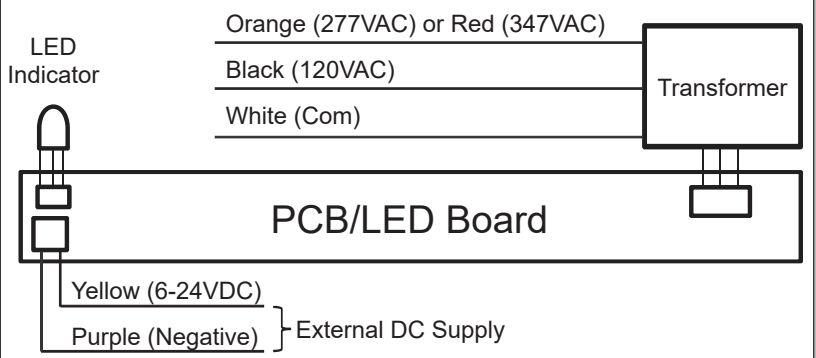
**Fig. 6 - With Battery**



**Fig. 7 - Two Circuit Input (2CI)**



**Fig. 8 - External DC Supply**



### Self-Test/Self-Diagnostics (G2)

#### Operation

The purpose of this option is to provide Self-testing and Self-diagnostic capabilities to the EXIT sign. At predetermined intervals, the EXIT sign will automatically switch into battery mode. Refer to the **Self-Test Features** section of this page for timing details. The EXIT sign will also perform various Self-diagnostic tests of the unit. Visual signaling will alert maintenance personnel to a fault of the EXIT sign electronics, battery and/or battery charger. The circuitry continuously monitors the operating condition of the EXIT sign and battery charging circuit/battery supply voltage. Refer to the **LED Indicator** section below for fault reporting details.

#### Self-Test Features

- The EXIT sign will automatically switch to battery mode every month for a period of 5 minutes.
- The EXIT sign will automatically switch to battery mode twice, 24 hours apart, every 6 months for a period of 90 minutes.

#### LED Indicator

The unit is equipped with a bi-color LED, which displays green and/or red.

- A steady green LED indicates that normal AC power is being supplied to the EXIT sign.
- A flashing green LED indicates that the EXIT sign is undergoing a test.
- A flashing red and green LED indicates that the battery is under high charge.
- A red LED indicates whenever the Self-diagnostics system has detected a fault condition.

Refer to the chart below when the red "UNIT ALERT" LED is blinking:

Red LED Indication	Unit Fault	Corrective Action
Steady	Battery Disconnected	Check Battery then Consult Factory
Blinking 1 Time	Battery Failure	Replace Battery
Blinking 2 Times	Battery Charge Failure	Check Battery then Consult Factory
Blinking 3 Times	LED Failure	Check Battery then Consult Factory

#### Test Button Features

**LED TEST** – Pressing and holding the test button for 3 seconds will test the LEDs. The LED indicator will blink red 3 times.

**MANUAL TEST** – Pressing the test button will switch the unit into battery mode for a set amount of time. The desired length of the test is determined by the number of times the test button is pressed.

- Pressing the test button once will switch the unit into battery mode for a period of 2 seconds.
- Pressing the test button twice within 2 seconds will switch the unit into battery mode for a period of 15 minutes.

Pressing and holding the test button for 5 seconds while the unit is **MANUAL TEST** mode will cancel the manual test and return the unit to normal AC power.

Use in accordance with local building codes.