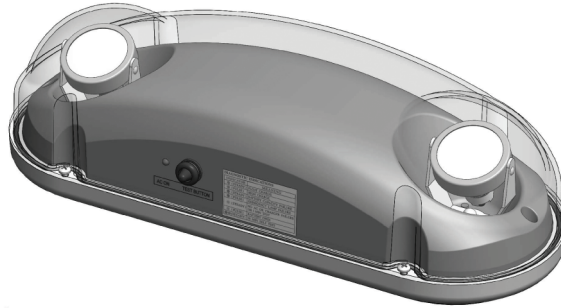


CP-EMW Series

Installation Instructions



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 electric heaters.
- 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 48 hours before first use.

SAVE THESE INSTRUCTIONS!

Technical Support ■ (623) 580-8943 ■ technicalsupport@barronltg.com

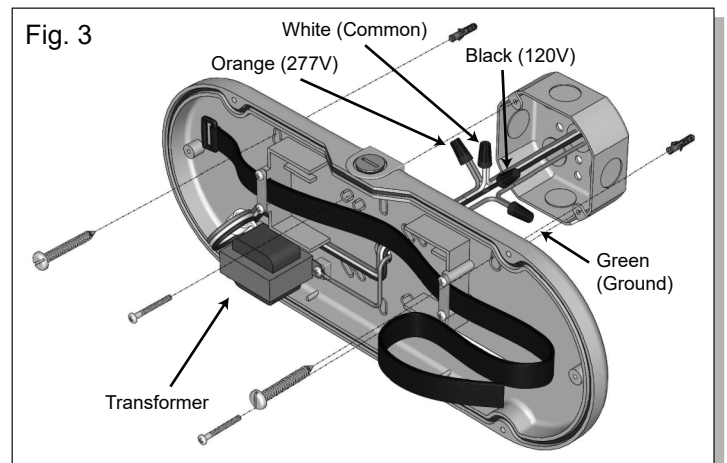
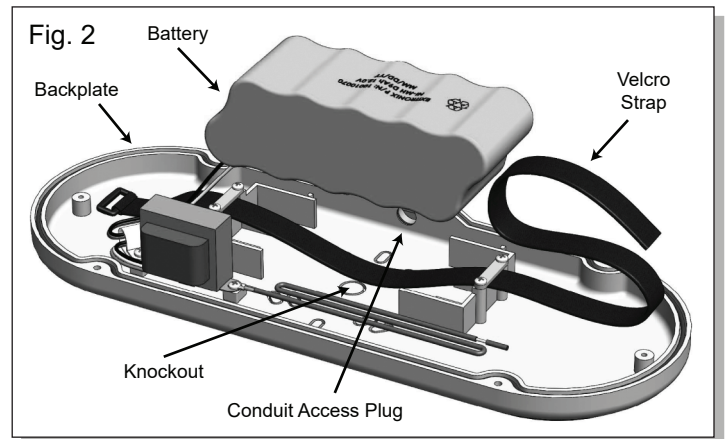
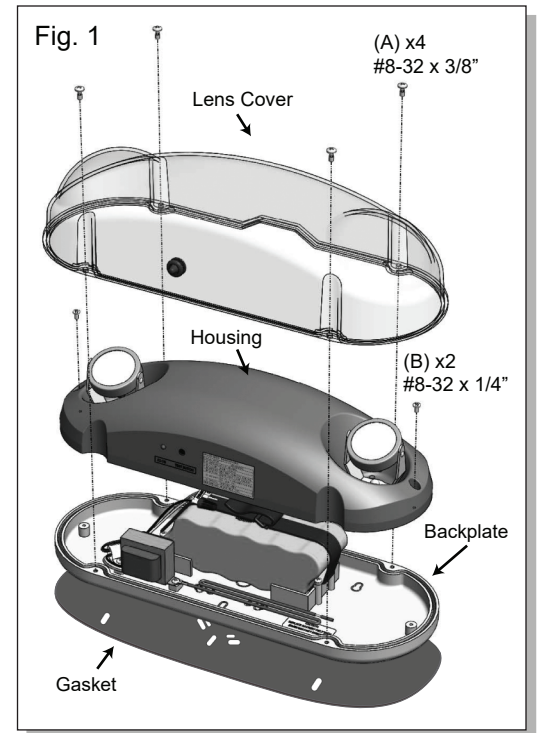
CP-EMW Series

Installation Instructions

Wall Mount

1. Remove the lens cover by loosening the (4) #8-32 x 3/8" screws (A) and set aside. (Fig. 1)
2. Remove the housing by loosening the (2) #8-32 x 1/4" screws (B) and set aside.
3. Remove the battery by loosening the velcro strap. (Fig. 2)
- 4a. **Wall Mount** - Remove the center knockout and any desired knockouts for mounting to the J-box located in the backplate and the corresponding knockouts on the supplied gasket. Apply the gasket to the back of the backplate, as shown. Mount the backplate assembly to the J-box.
- 4b. **Wall Mount with conduit** - Remove the desired knockouts on the backplate and the corresponding knockouts on the supplied gasket. Apply the gasket to the back of the backplate, as shown. Mount the backplate assembly to the wall using appropriate hardware for the mounting surface. Remove the conduit access plug and install a 1/2" NPT liquid-tight fitting (not provided).
5. For additional mounting support, remove additional knockouts and use appropriate hardware for mounting surface. (Fig. 3)
6. All electrical connections should be made inside the junction box. Make electrical connections as follows:

120VAC	277VAC
White - Common	White - Common
Black - 120VAC	Orange - 277VAC
Green - Ground	Green - Ground
- Note:** Cap unused leads to prevent shorting.
7. Secure the battery using the velcro strap.
8. Secure the housing using the (2) #8-32 x 1/4" screws from before.
9. Secure the lens cover using the (4) #8-32 x 3/8" screws from before.
10. To weatherproof your fixture, be sure to seal all holes in the housing (mounting, conduit, plugs, etc.) with silicone sealant. Apply sealant across the top edge to prevent water from reaching the back of the housing.



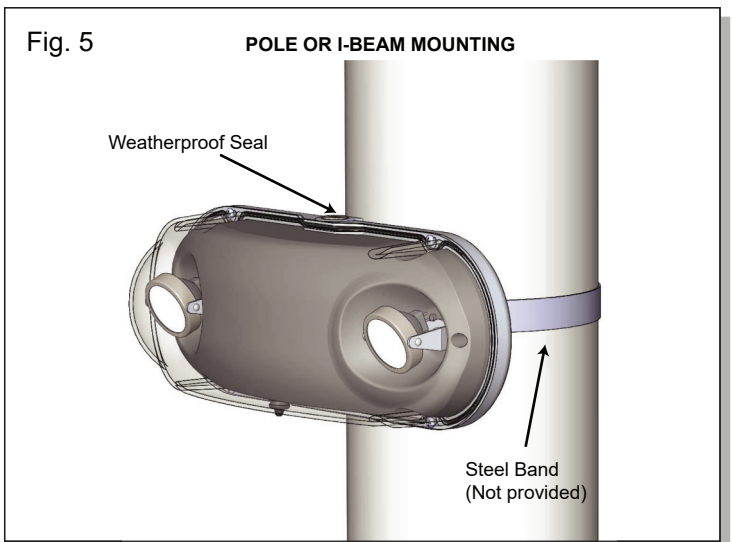
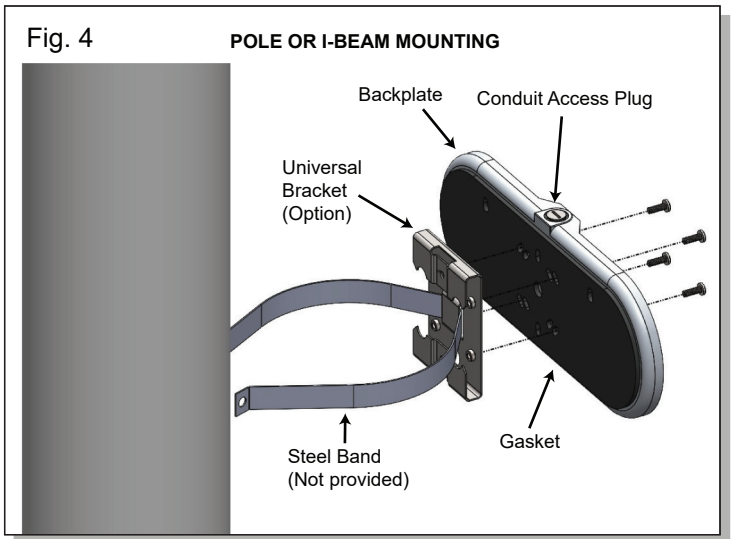
CP-EMW Series

Installation Instructions

Pole or I-beam Mounting (Option)

Note: The universal bracket is an accessory and needs to be ordered separately.

1. Follow steps 1-4b under **Wall Mount**.
2. Remove the (4) knockouts in the backplate and gasket that align with the universal bracket. (Fig. 4)
3. Secure the universal bracket with (4) 1/4"-20 screws 1/2" – 1" in length (not provided).
4. Unit can be installed using steel banding for routing around the poles and I-beam. Standard banding 3/4" in width or less can be used (not provided).
5. Follow steps 6-10 under **Wall Mount**.



Self-Test/Self-Diagnostics (G2)

IMPORTANT: Once all emergency lamps have been connected to the unit equipment, apply normal AC power and charge for 48 hours.

Following installation and after AC power has been supplied, charge for 48 hours, then press and hold the test button until the LED indicator turns orange. This calibrates the unit equipment for the proper load.

CAUTION: This equipment provides reduced current levels when higher voltage loads are connected. The derangement signal requires calibration to ensure proper operation.

Operation

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

Self-Test Feature

- The emergency unit will automatically switch to battery mode every month for a period of 1 minutes.
- The emergency unit will automatically switch to battery mode every 6 months for a period of 30 minutes.

LED Indicator

The LED indicator of the emergency unit will display a visual signal indicating the status of the unit. Refer to the table below for LED indication conditions:

LED Indication	LED Color	Unit Condition	Comment
Steady	Green	Float Charge	Batt Fully Charged
Pulse	Green	Hi-Rate Charge	Batt Under High-Rate Charge
Steady	Red	Low Batt Voltage	Replace Battery
Pulse	Red	Emer Lamp Failure	Replace Damaged or Missing Lamps
Steady	Orange	No AC Power Charge Failure 1 Minute Test	Check AC Connection Replace Transformer 1 Min Test Every Month
Pulse	Orange	Batt Disconnected	Check Batt Connections
LED Color	Red/Green	30 Minute Self Test	30 Min Test Every 6 Months

Test Button Features

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 length of time that the test button is pressed.

- Pressing the test button once will switch the unit into battery mode for a period of 2 seconds.
- Pressing and holding the test button until the LED indicator turns orange will switch the unit into battery mode for a period of 30 minutes.
- Pressing and holding the test button until the LED indicator flashes red/green will switch the unit into battery mode for a period of 90 minutes.

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

RESET – Pressing the test button 3 times will reset the red “UNIT ALERT” LED. If multiple faults are present, it may be necessary to repeat this procedure for each remaining fault indicated by the “UNIT ALERT” LED.

Use in accordance with local building codes.