



IMPORTANT SAFEGUARDS READ AND FOLLOW ALL SAFETY INSTRUCTIONS.

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

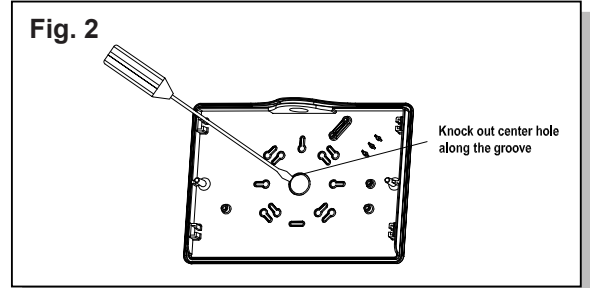
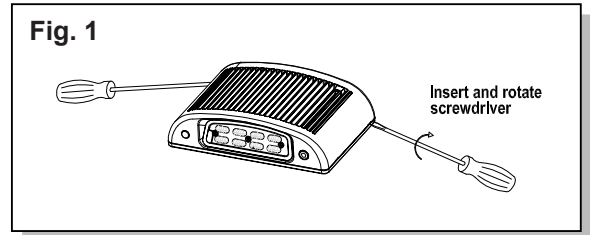
- **DISCONNECT AC POWER SUPPLY BEFORE SERVICING.**
- Installation and servicing of this equipment should be performed by qualified service personnel only.
- Ensure that the electrical wiring conforms to the National Electrical Code NEC® and local regulations if applicable.
- Do not mount near gas or 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

Wall Mount Installation (Fig. 3)

1. Use a flat blade screwdriver to remove the front cover from the backplate. (Fig. 1)
2. Remove appropriate knockouts on the backplate for mounting, remove center knockout hole on backplate. (Fig. 2)
3. Feed building wires through the center hole and secure backplate to the junction box with screws provided.
4. Connect the fixture wires to building power supply wires using the wire nuts provided. Connect white wire to neutral, connect the black wire to hot lead (120-277V). Cap any unused leads to prevent shorting. (Fig. 5)
5. Return connected wires back into junction box then snap the front cover to backplate.



Conduit Mount Installation

1. Remove the 1/2" NPT conduit plug from the top of the fixture. (Fig. 2)
2. Open unit, secure unit on conduit and feed wire into the fixture
3. Reference steps 4-5 from Wall Mount Installation.

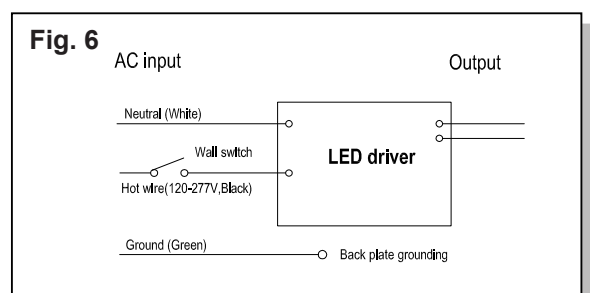
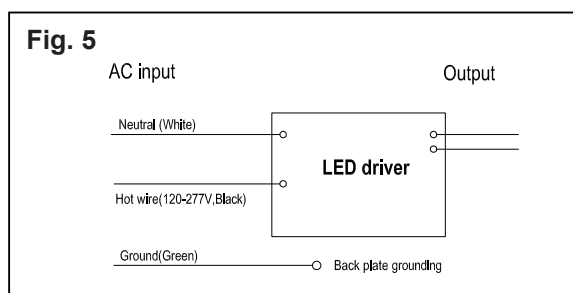
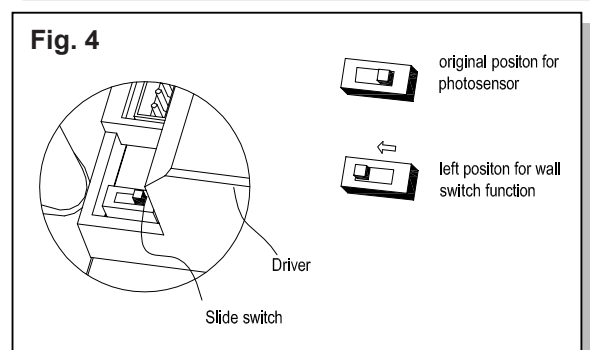
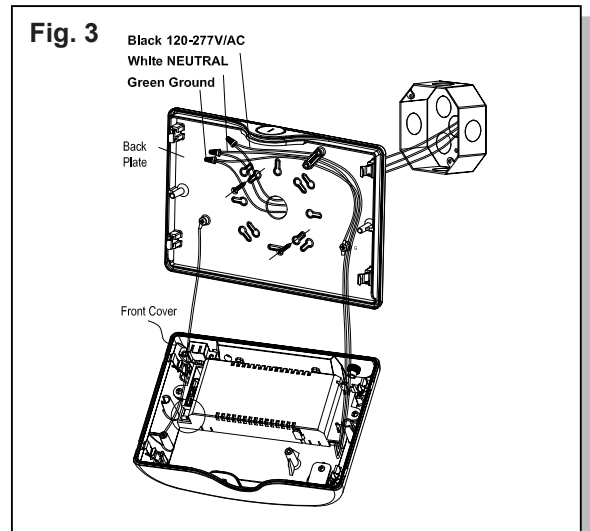
Luminaire ON/OFF Controls

There are 2 default ON/OFF controls settings:

1. Standard Setting ON/OFF controlled by photosensor.
 - A. If ambient illumination is less than 10Lx it will turn on automatically.
 - B. If illumination is greater than 30Lx, the luminaire will turn off.
 - C. Unit wall switch control conversion (Fig. 6)
Once unit has been converted to wall switch controls, this will by pass the photosensor.
2. Photosensor and PIR ON/OFF control settings:
 - A. If ambient illumination is less than 10Lx it will turn on automatically if PIR sensor detects movement, stay on for 2 minutes and turn off if no movement is detected.
 - B. If illumination is greater than 30Lx, the luminaire will keep off.

Convert Unit Control from Photosensor to Wall Switch

1. Slide the switch away from the driver to convert photosensor to wall switch. (Fig. 4)
2. Connect external wall switch to hot wire. (Fig. 6)



Operation

The battery in this unit may not be fully charged. After electricity is connected to the unit for at least 24 hours, then normal operation of this unit should take effect. To check, press the "TEST" button. The EXIT sign should stay illuminated by battery backup and the LED indicator will be turned off. Release the "TEST" button, LED indicator will be turned on.

In accordance with NFPA 101, your emergency lighting system must be tested monthly for a minimum of 30 seconds and annually for 90 minutes. Refer to your local codes for any additional requirements that may apply.

Testing and Reporting Instructions (-G2 and -G3 models)

- When AC power is supplied to fixture, the unit will automatically initiate a self-test and self-diagnostic test as follows:
 - Verifies battery disconnection, charger board failure at every 5 seconds.
 - 1 minute self-testing every month.
 - 30 minutes self-testing on every 6 months after installation.
 - 90 minutes self-testing on every 12 months after installation.
- Dual color LED lamp indicator shows the following status:
 - Green color: On / Ready
Blinking: Testing
 - Red color: (Service Alert)
 - Service Alert LED Code (Red color LED lamp indicator)

●	One blink ON/pause (4 seconds)	Battery is not connect
●●	Two blinks ON/pause (4 seconds)	Battery voltage too low
●●●	Three blinks ON/pause (4 seconds)	Charger board circuit fault
●●●●	Four blinks ON/pause (4 seconds)	Transfer function failure
●●●●●	Five blinks ON/pause (4 seconds)	Integral lamp fault

Note: After solving the fault of emergency equipment, please press test button for 2 seconds then release to reset. LED indicator will show green.

- "-G2" and "-G3" models also have a manual test function, press test button as follows:

Press test button once (within 2 seconds)	30 seconds discharge test
Press test button twice (within 2 seconds)	3 minutes discharge test
Press test button 3 times (within 2 seconds)	30 minutes discharge test
Press test button 4 times (within 2 seconds)	90 minutes discharge test
*Press and hold test button for 8 seconds	Fixture will leave network and reset itself

*Note: only applies to "-G3" models. If you have problem to initiate provisioning or if you know the unit belongs to other **Guardian** Network

Networking Operations for "-G3" Models

Model with "-G3" suffix is our world winning design equipped with "wireless testing and reporting" features. Unit that has "-G3" suffix in its model number is capable of joining **Guardian** emergency lighting management system. It will be part of a large testing system to be tested and report result wirelessly.

Once powered up and commissioning allowed, unit will automatically join **Guardian** network and get provisioned. Upon the completion of the commissioning, unit will perform testing and report based on set schedules.

For more information about commissioning, configurations and testing, please visit website, <https://www.barronltg.com> for details.