



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!

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Wall Installation (Fig. 2)

1. Insert a flat blade screwdriver into the two slots to remove front cover from the frame. (Fig 1).
2. Remove knockout from center of backplate and route wires through the hole.
3. Remove appropriate knockouts on backplate and mount to junction box.
4. Route input wires through center hole of the backplate and make electrical connections; see **Electrical Connections** section.
5. Push excess wire back into junction box.
6. Connect battery to circuit board, if applicable.
7. Snap chevrons to EXIT panel as needed and re-secure front cover on the unit.

Fig. 1

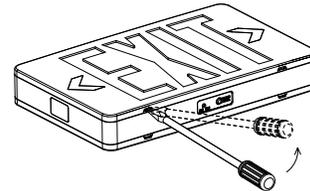
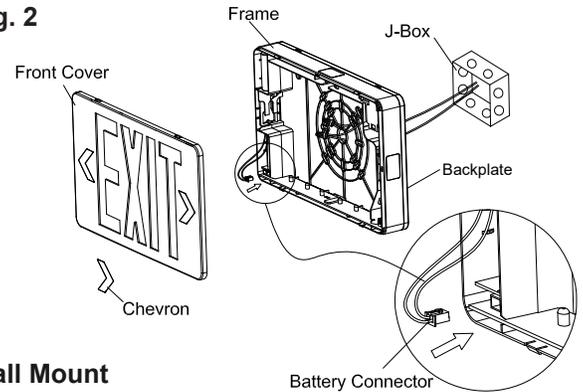


Fig. 2

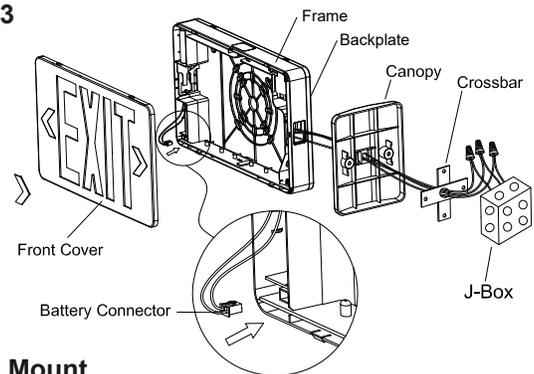


Wall Mount

Side (Fig. 3) or Ceiling (Fig. 4) Installation

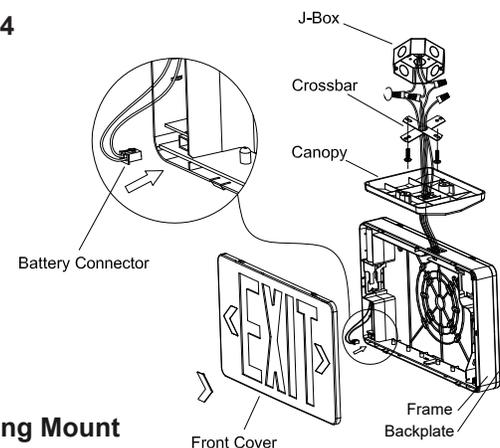
1. Attach crossbar to junction box, set the crossbar so that the longer blade is touching the junction box.
2. Insert a flat blade screwdriver into the two slots to remove front cover from the frame. (Fig 1).
3. If double face is desired, replace backplate with additional faceplate provided.
4. Remove the mounting hole cover on the top or side of the unit. Secure the canopy to the unit. (Fig. 5)
5. Route the proper wires through the mounting hole out of the housing and make electrical connections; see **Electrical Connections** section.
6. Use screws to tighten canopy to crossbar so that the canopy is securely fastened and tight against the wall or ceiling.
7. Connect battery to circuit board, if applicable.
8. Snap chevrons to EXIT panel as needed and re-secure front cover on the unit.

Fig. 3



Side Mount

Fig. 4

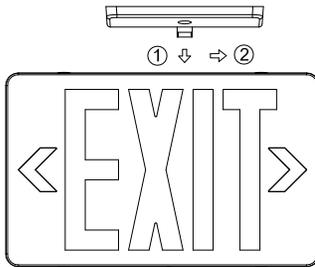


Ceiling Mount

Fig. 5

Canopy Assembly

Put the canopy connector inside of the housing then slide and fixed by plastic clip.



Electrical Connections

All electrical connections should be made inside the junction box.

Make electrical connections as follows:

120VAC

White - Common
Black - 120V

277VAC

White - Common
Orange - 277V

Note: Cap unused leads to prevent shorting.

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

AC Line

White - Common
Black - 120V
Orange - 277V

Auxiliary Line

White - Common
Black - 120V
Orange - 277V

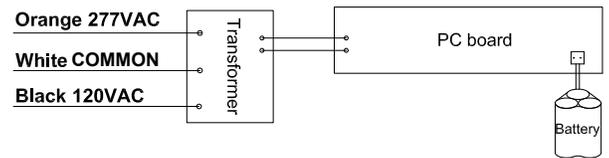
Note: The AC and auxiliary power cannot be simultaneously live, consult factory for a solution.

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.

Wiring Diagram



Testing and Reporting Instructions (-G2 and -G3/G3PRO 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, 4 second pause	Battery is not connected
● ●	Two blinks, 4 second pause	Battery voltage too low
● ● ●	Three blinks, 4 second pause	Charger board circuit failure
● ● ● ●	Four blinks, 4 second pause	Transfer function failure
● ● ● ● ● ● ●	Seven blinks, 4 second pause	LED strip failure

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/G3PRO” 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/G3PRO” models. If you have problem to initiate provisioning or if you know the unit belongs to other Guardian G3 Network

Networking Operations for “-G3/G3PRO” Models

Model with “-G3/G3PRO” suffix is our world winning design equipped with “wireless testing and reporting” features. Unit that has “-G3/G3PRO” suffix in its model number is capable of joining Guardian G3 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 G3 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://barronltg.com/guardian-g3-products.php> for details.