

# Edge - Battery Backup Kit Ceiling Mount 120VAC / 60Hz

Model # EGRF-BB12

## Safety Precautions

- Read all safety precautions and installation instructions carefully before installing or servicing this fixture. Failure to comply with these instructions could result in potentially fatal electric shock and/or property damage.
- It is recommended that a qualified electrician perform all wiring. This fixture must be wired in accordance with all national and local electrical codes.
- Do not handle any energized fixture or attempt to energize any fixture with wet hands or while standing on a wet or damp surface or in water.
- This fixture is designed for use with EGRF12xx Series in a 120VAC, 60Hz fused circuit. This fixture is compatible with 2- wire TRIAC dimmers.
- Make sure that the power source conforms to the requirements of the fixture. (See labels on the fixture housing).
- To reduce the risk of electrical shock, and to assure proper operation, this fixture must be adequately grounded. To accomplish proper grounding, there must be a separate ground wire (green) contact between this fixture and the ground connection of your main power supply panel.
- This fixture is intended to be used for general indoor lighting in dry or damp locations.
- Disclaimer  
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules and Canadian ICES-005 (B) / NMB-005 (B). These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
  - Reorient or relocate the receiver antenna.
  - Increase the separation between the equipment and receiver.
  - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
  - Consult with the dealer or an experienced radio/TV technician for help.

Any modifications to this fixture may void the warranty and interfere with the safe operation of the luminaire.

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

## Assembly Instructions

### Step 1 – Preparing for installation

- Disconnect electrical power before installing or servicing any part of this fixture
- Remove fixture from carton; remove components from hardware kit.
- Pull down the supply power source black (AC switch), black (AC continuous), white (N) and green (GND) wires from the junction box.

### Wiring – All wiring must take place inside junction box (not included).

**Caution:** Make sure power is off at fuse or circuit breaker box. Check power wires for damage or scrapes. If the power supply wires are within three inches of the driver, use a wire suitable for at least 90°C (194°F).

**Note:** Most dwellings built before 1985 have supply wire rated to 60°C. Consult a qualified electrician to ensure correct branch circuit conductor before installing.

### Step 2 – Wiring fixture

- Make all wire connections to appropriate wire. Secure with wire nuts (provided).
- Connect green leads from battery housing (1) to the supply power source ground wire.
- Connect white battery housing (1) lead marked "emergency driver WHITE AC-N (continuous)" to the white (N) wire from continuous supply power source.
- Connect black battery housing (1) lead marked "emergency driver BLACK AC-L (continuous)" to the black (L) wire from continuous supply power source.
- Connect the "SWITCH LINE BLACK" from the fixture to the black (L) wire from wall switch supply power source.
- Do not mix wires.** Pull on each wire lead to make sure connections are secure. Make certain no bare wires are exposed outside of wire connectors. Tuck all connections neatly into junction box.

### Step 3 – Battery mounting per Fig 1

- Install the battery housing (1) to the junction box (not included) with two #8-32 screws (2) through the corresponding slots to secure it.
- Connect the battery power cell clear connector (red and black DC wire) together then tuck it inside the housing. Note: battery power cell maybe fully charged from factory, therefore take caution as this is now fully energized and fixture will come on even under no AC power to the fixture has been restored. In the event it doesn't come on is due to low charge battery condition and will need to be recharged for 24hrs minimum to maintain fully charged when power is restored.
- Pull fixture connector down through the other opening corresponding to the wires coming out of the fixture (4 – not included).

### Step 4 – Fixture mounting per Fig 2 (for referencing only)

- Remove mounting bracket (3) from behind the fixture (4). Install mounting bracket (3) to the battery housing (1) by aligning corresponding slots with housing then using two #8-32 screws (2) to secure it.
- Connect fixture (4 – not included) by inserting the white and black wires into the mating connector with corresponding wire color of the opposing side. Connect green lead from fixture to the battery housing green wire. Make certain no wires are exposed outside of wire connector. Note: all wires must be on one side of the mounting bracket and must be tucked away inside the battery housing (1).
- Install fixture (4) to mounting bracket (3) with two screws (5) to secure it. Insert plastic cap (6) to hide screw holes.

### Step 5 – Power to the fixture can now be restored

### Step 6 – Operational guide

- The red LED on the side of battery housing is an indicator for AC power status: Off – receive No AC power, On – receive AC power.
- Testing battery condition regularly twice a year by pressing on the test button to check battery power cell charge status. The red LED will "turn-off" upon pressing the test button which temporary disconnect AC power and activate battery power cell. The fixture will remain lit during this testing period that indicates battery is discharging as intended. In the event there is no AC power or black out situation, fixture will remain lit for 90mins and gradually diminishing to off as battery power is depleted.

*Note: The battery contained in the backup system requires luminaire installation within three months of purchase. If the battery backup system has not been installed during this period, there is a possibility the battery may discharge and not operate.*

### Limited Factory Warranty

AFX Inc. hereby warranty that this fixture is free from defects in materials and workmanship when installed and used under normal operating conditions for a period of 5 years from date of shipment from factory. This warranty covers all component parts and extends only to replacement of defective fixture or components; it does not cover failure due to improper installation, misuse, mishandling or damage incurred in transit.

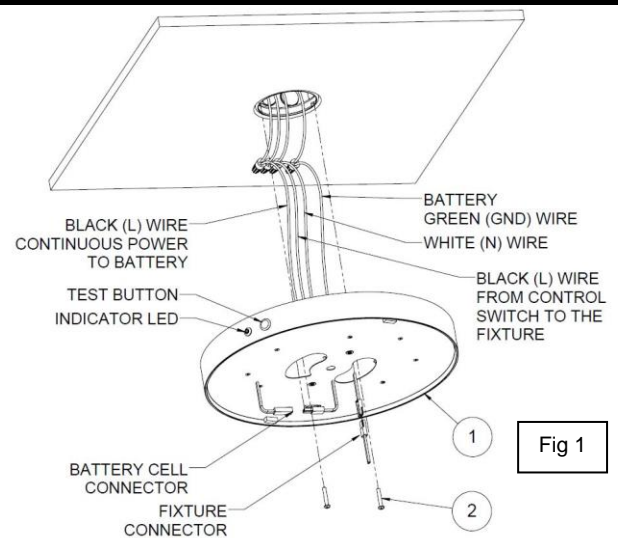


Fig 1

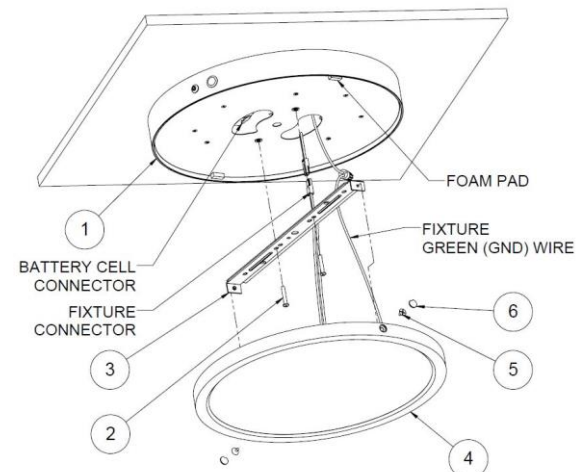


Fig 2

View shown for reference only. Light fixture (4) is sold separately. Individual models may vary.