

# INSTRUCTION MANUAL

## IMPORTANT SAFEGUARDS

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

### READ AND FOLLOW ALL SAFETY INSTRUCTIONS

1. **CAUTION** - To prevent electrical shock, do not mate unit connector until installation is complete and A.C. power is supplied to the unit.
2. **CAUTION** - This kit provides more than one power supply output source. To reduce the risk of electrical shock, disconnect both the normal and emergency sources by turning off the A.C. branch circuit and by disconnecting the unit connector.
3. **CAUTION** - This is a sealed unit. Components are not replaceable. Replace the entire unit when necessary.
4. **CAUTION** - Installation and servicing should be performed by **qualified personnel only**. De-energize before opening.
5. The back-up kit is for use with the T-BAR LED®, T-BAR UP®, T-BAR TWO®, T-BAR ECO DC™, or Sorella™ 24V DC product lines only. Not for use in heated air outlets or hazardous locations.
6. The back-up kit requires an unswitched A.C. power source of 120 to 277 volts AC, 50/60Hz.
7. The **ILB-CP battery** and **LED Driver** A.C. power **must** be on the same branch circuit.
8. Do not mount near gas or electric heaters.
9. The back-up kit should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.
10. The back-up kit will supply 24VDC output at the rated specification for 90 minutes.
11. Suitable for use in damp locations and plenum spaces.
12. For use in 0° C minimum, 55° C maximum ambient temperatures.
13. The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition, void warranty, and result in non-compliance with UL specifications.
14. Do not use this equipment for other than intended use.
15. Install in accordance with the National Electrical Code and local regulations.

### SAVE THESE INSTRUCTIONS



EMERGENCY LED DRIVER FOR USE  
WITH LED LUMINAIRES IDENTIFIED IN  
THE MANUFACTURER'S INSTALLATION  
INSTRUCTIONS  
E473237

CLASS 2 OUTPUT



THIS UNIT CONTAINS A  
RECHARGEABLE NICKEL-CADMIUM BATTERY.

PLEASE RECYCLE OR DISPOSE OF PROPERLY.

## INSTALLATION INSTRUCTIONS

**CAUTION:** Before installing, make certain the A.C. power is off and the battery unit connector is disconnected.

### 1. FIXTURE

The back-up kit is designed to be used with the T-BAR LED®, T-BAR UP®, T-BAR TWO®, T-BAR ECO DC™, or Sorella™ 24V DC product lines only. See the technical specification sheet for output specifications and lumen output information for the back-up kit.

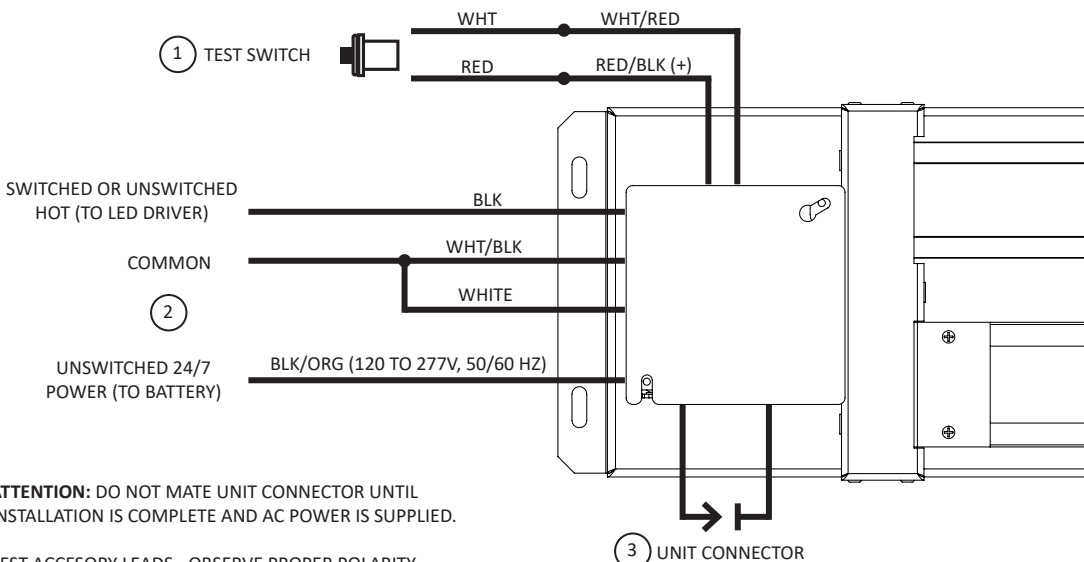
### 2. A.C. INPUT WIRING

Refer to the below diagram for the appropriate wiring of battery and driver. Install in accordance with National Electrical Code and local regulations.

A. The ILB battery and LED Driver **MUST** be on the same branch circuit.

B. The ILB battery requires an **unswitched** A.C. power source of 120-277 VAC, 50/60Hz; therefore when used with switched fixtures, the battery input must be wired ahead of the switch.

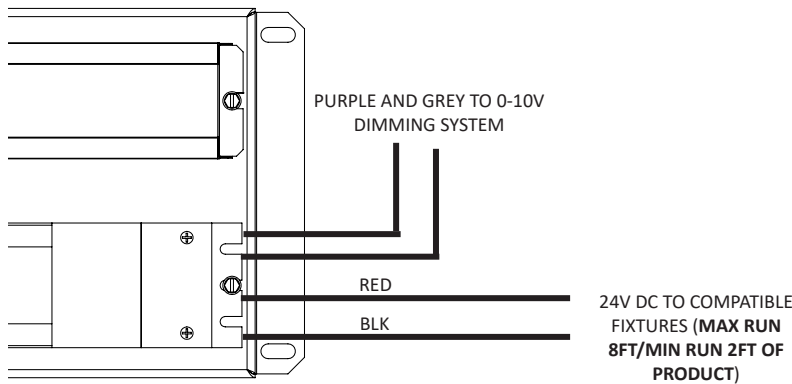
C. Refer to the wiring diagram for the proper wiring.



- 1 TEST ACCESSORY LEADS - OBSERVE PROPER POLARITY WIRING.
- 2 CONNECT UNSWITCHED POWER. IF A SINGLE BUILDING COMMON IS PRESENT, CONNECT THE WHITE WIRE TO THE COMMON. IF A SEPARATE UNSWITCHED CONDUCTOR FEED IS PRESENT, CONNECT THE WHITE LEAD TO THE COMMON FROM THE UNSWITCHED FEED.
- 3 MATE UNIT CONNECTOR AFTER INSTALLATION IS COMPLETE AND AC POWER IS SUPPLIED

### 3. OUTPUT WIRING

The back-up kit is designed to be used with the T-BAR LED®, T-BAR UP®, T-BAR TWO®, T-BAR ECO DC™, or Sorella™ 24V DC product lines only, **max run of 8ft/min run of 2ft of product** per kit. See the below illustration for wiring details.



#### DRIVER TO FIXTURE REMOTE MOUNTING DISTANCE (WIRES NOT PROVIDED)

Gauge	Length
18AWG	30ft maximum
16AWG	40ft maximum
14AWG	50ft maximum

### 4. INSTALLING THE TEST SWITCH

Select a convenient location so that the test switch can be seen after installation. Wire the test switch to the kit using conduit and a junction box (not provided). Drill a 1/2" hole in the junction box faceplate (not provided). Push the test switch into the faceplate and secure with the nut. Connect the LED wires from the unit to the test switch (Red/Black to Red, and White/Red to White). For proper operation, use only the accessory components provided with the unit.

### 5. LABELS

Attach the provided label on the faceplate cover adjacent to the test switch.

### 4. COMPLETING INSTALLATION

When the installation is complete, switch the A.C. power on and join the ILB battery unit connector.

## OPERATION

**Normal Mode** - A.C. power is present, the LED driver operates the LED load as intended. The ILB battery is in the standby charging mode. The test switch will be lit providing a visual indication that the battery is being charged.

**Emergency Mode** - The A.C. power fails. The ILB battery senses the A.C. power failure and automatically switches to the *Emergency Mode*. The compatible fixture will illuminate for a minimum of 90 minutes. When the A.C. power is restored, the ILB battery switches the system back to the *Normal Mode* and resumes battery charging.

## TESTING & MAINTENANCE

Pressing the test switch turns off the light on the switch and forces the unit into emergency mode, interrupting power to the designated LED driver. The LED load is now being lit by the ILB battery unit. After releasing the test switch, the fixture returns to normal operation after a momentary delay. To simulate a “BLACK OUT” use the circuit breaker to turn off A.C. power.

**Initial Testing** - Allow the unit to charge approximately 1 hour, then conduct a short discharge test. Allow a 24 hour charge before conducting a one hour test.

The ILB battery is a maintenance free unit, however, periodic inspection and testing is required. NFPA 101, Life Safety Code, outlines the following schedule:

**Monthly** - Ensure that the test switch light is illuminated. Conduct a 30 second discharge test by depressing the test switch. The compatible fixture should operate at reduced output.

**Annually** - Ensure that the test switch light is illuminated. Conduct a full 90 minute discharge test. The unit should operate as intended for the duration of the test.

“Written records of testing shall be kept by the owner for inspection by the authority having jurisdiction”

**SERVICING SHOULD BE PERFORMED BY QUALIFIED PERSONNEL**  
Consult Customer Service or visit [www.jlc-tech.com](http://www.jlc-tech.com) for current warranty information.