

# LED EMERGENCY BATTERY BACKUP

## INSTALL INSTRUCTIONS

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**PLEASE FIND A QUALIFIED ELECTRICIAN FOR INSTALLATION.** Please read the instructions before you install and use the emergency driver.

**WARNING** - Risk of fire or electric shock. LED emergency driver installation requires knowledge of luminaire electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.

**WARNING** - To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.

### SAFETY INSTRUCTIONS

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

- This is a sealed unit. Components are not replaceable. Replace the entire LED Emergency Backup unit when necessary.
- This LED Emergency Backup unit requires an unswitched AC power source of 120-277V, 50/60 Hz. The AC driver **MUST** be on the same branch circuit as the LED Emergency Backup unit.
- For use with most 8W – 40W T5, T8 or T12 single end or double end Type B LED lamps. It can provide a constant power output of about 5 watts in emergency mode. Operates one lamp in the emergency mode for a minimum of 90 minutes.
- The driver is intended for ordinary locations and for permanent installation into one or more Listed emergency luminaires.
- Do not let power supply cords touch hot surfaces.
- Do not mount near gas or electric heaters.
- Install in accordance with the National Electrical Code and local regulations.
- Equipment should not be mounted in locations where it may be subjected to tampering by unauthorized personnel.
- The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
- Do not use this equipment for other than intended use.
- For use with a UL Listed, Damp rated fixture with a grounded case.
- Do not use outdoors.
- Maximum mounting height: 8.6 ft (2.63 m).

# LED EMERGENCY BATTERY BACKUP

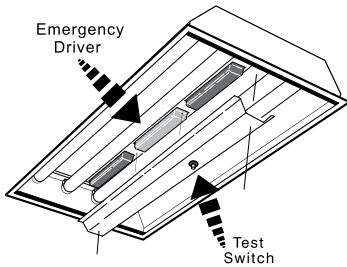
## INSTALL INSTRUCTIONS

**WARNING** DISCONNECT POWER BEFORE INSTALLING OR SERVICING.

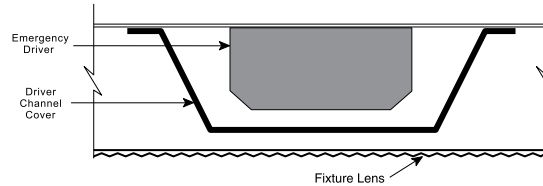
**WARNING:** TO PREVENT HIGH VOLTAGE FROM BEING PRESENT ON BLACK & WHITE OUTPUT LEADS PRIOR TO INSTALLATION, INVERTER CONNECTOR MUST BE OPEN. DO NOT JOIN INVERTER CONNECTOR UNTIL INSTALLATION IS COMPLETE AND AC POWER IS SUPPLIED TO THE EMERGENCY DRIVER.

### INSTALLING THE EMERGENCY DRIVER

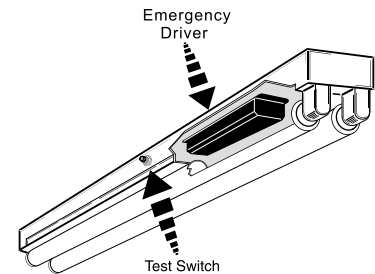
#### INSIDE DRIVER CHANNEL



#### TROFFER STYLE FIXTURE



#### INSIDE STRIP FIXTURE

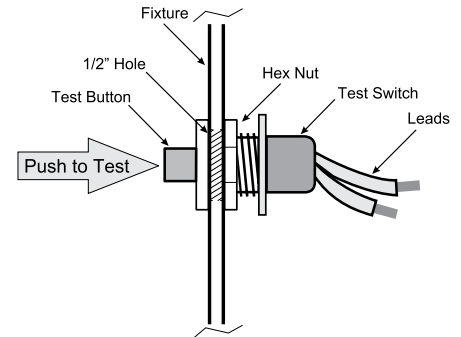


### INSTALLING THE TEST SWITCH

Refer to the illustrations on page 1 and install the test switch through the driver channel cover of a troffer or through the side of a strip fixture.

Drill a 1/2" hole and install the switch as shown.

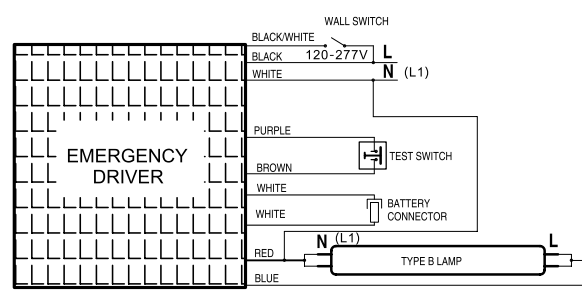
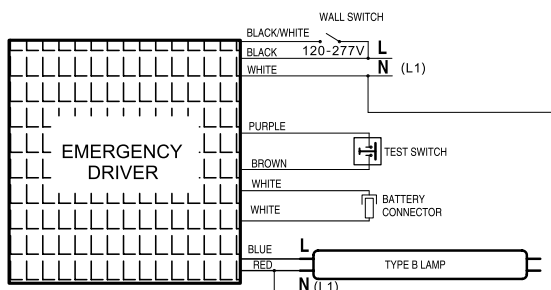
Wire the test switch so that it removes AC power from the unswitched hot line to the emergency driver.



### INSTALLING THE CHARGING INDICATOR LIGHT

Install the CHARGING INDICATOR LIGHT so that it will be visible after the fixture is installed.

### WIRING DIAGRAMS



### OPERATION

**Normal Mode:** AC power is present. The AC driver operates the LED load as designed. The emergency pack is charging in a standby mode. The test button will be lit, showing that the battery is charging.

**Emergency Mode:** When the AC power goes out, the emergency pack detects the power outage and automatically switches to the emergency mode. The LED load is illuminated, for a minimum of 90 minutes. When AC power is restored, the emergency pack switches back to Normal Mode and starts re-charging.

### MAINTENANCE

Although no routine maintenance is required to keep the emergency driver functional, it should be checked periodically to ensure that it is working. The following schedule is recommended:

1. Visually inspect the charging indicator light monthly. It should be illuminated.
2. Test the emergency operation of the fixture at 30-day intervals for a minimum of 30 seconds. One lamp should operate at reduced illumination.
3. Conduct a 90-minute discharge test once a year. One lamp should operate at reduced illumination for at least 90 minutes.