

# Installation Instructions

NEPK-20LEDUNV-JB

Emergency LED Driver with Remote Test Switch

READ PRIOR TO ATTEMPTING INSTALLATION  
ALWAYS TURN OFF MAIN POWER BEFORE INSTALLATION  
INSTALLATION SHOULD BE CARRIED OUT BY YOUR LOCAL ELECTRICIAN



## IMPORTANT SAFEGUARDS

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

**PLEASE READ AND FOLLOW ALL SAFETY INSTRUCTIONS**

Contains Li-ion  
Rechargeable battery  
Must be recycled or  
Disposed Properly



**IMPORTANT:** Before installing, make certain the AC Power to the fixture is off to avoid electric shock.

**IMPORTANT:** An un-switched AC power source of 100VAC to 347VAC is required. This device is designed for use in fixtures listed for dry and damp locations.

**IMPORTANT:** Verify that all replacement lamp types marked on the installed luminaire are also identified as suitable for use with this emergency battery pack.

**IMPORTANT:** It is recommended to charge the battery within half a year to prevent over discharge.

**CAUTION:** Make sure all electrical connections conform to the National Electrical Code and all applicable local regulations.

**CAUTION:** Do not let power supply cords touch hot surfaces.

**CAUTION:** Do not mount near gas or electric heaters. Do not use outdoors.

This product is for use with an LED lighting load which up to 20W with output voltage at 170VDC in emergency mode for a minimum of 90 minutes.

To reduce the risk of electric shock, disconnect both normal and emergency power supplies before servicing.

This emergency driver is for factory installation and field installation.

This product is suitable for use in damp locations where the ambient temperature is 5°C minimum, +50°C maximum. Product is not suitable for heated air outlets and wet or hazardous locations.

Use with grounded, UL Listed, damp location rated fixtures and case should be grounding.

Do not attempt to service battery. A sealed, no-maintenance battery is used that is not field replaceable. Contact the manufacturer for information on service.

The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.

Do not use this product for other than intended use.

Servicing should be performed by qualified service personnel.

Equipment should be mounted in locations and at heights where it will not be subjected to tampering by unauthorized personnel.

### OPERATION

When AC power is applied, the charging indicator light will flash, indicating the battery is being charged. When power fails, the emergency driver automatically switches to emergency power, operating the emergency LED load at reduced illumination. When AC power is restored, the emergency driver returns to charging mode. This emergency driver will operate LED lighting load supplies up to 20W constant power with output voltage at 170VDC in emergency mode for a minimum of 90 minutes.

### 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. The LED lighting load should operate at reduced illumination.
3. Conduct a 90-minute discharge test once a year. The emergency LED load should operate at reduced illumination for a minimum of 90 minutes.
4. The life expectancy of the batteries is at least 5 years. Integral battery is not replaceable, replace entire unit when necessary.

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#### WIRING THE EMERGENCY DRIVER

1. Refer to wiring diagram and connect the emergency driver to the AC driver and dimmer. Make sure all connections are in accordance with the National Electrical Code and any local regulations.
2. Cap off the sensor wires if not needed.
3. After installation is complete, supply AC power to the emergency driver.
4. At this point, the charging indicator light should be green and flashing while the battery is charging. When charging is complete, the indicator should be a solid green light. When in Emergency mode, the indicator light should be a solid red light.

