

# LED EMERGENCY PACK • 55449/55450

## INSTALL INSTRUCTIONS



### READ THE INSTRUCTIONS BELOW CAREFULLY,

**FAILURE TO FOLLOW THESE INSTRUCTIONS AND WARNINGS MAY RESULT IN SERIOUS INJURY OR DAMAGE.**

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

#### WARNING, CAUTIONS AND OPERATING INSTRUCTIONS

- To reduce the risk of death, personal injury or property damage from fire, electric shock, falling parts, cuts/abrasions, and other hazards read all warnings and instructions included with and on the LED Emergency Backup box and all labels.
- Before installing, servicing, or performing routine maintenance upon this equipment, follow these general precautions. These instructions do not attempt to cover all installation and maintenance circumstances, please contact a qualified electrician.
- This product must be installed or serviced by a qualified licensed electrician in accordance with applicable federal, state and local laws, regulations and electrical code. If not qualified, do not attempt installation of this product.
- Commercial installation, service and maintenance should be performed by a qualified licensed electrician.
- To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.
- Do not let power supply wires touch hot surfaces.
- Luminaire wiring and electrical parts may be damaged by drilling for installation of the LED Emergency Backup, check for wiring and components before drilling mounting holes.

#### WARNING: RISK OF FIRE OR ELECTRICAL SHOCK

- Turn off electrical power at fuse or circuit breaker box before wiring the LED Emergency Backup to the luminaire.
- Turn off the power when you perform any maintenance.
- Verify that supply voltage is correct by comparing it with the driver label information.
- Make all electrical and grounded connections in accordance with the National Electrical Code and any applicable local code requirements.
- All wiring connections should be capped with UL approved wire connectors.

#### CAUTION: RISK OF INJURY

- Account for small parts and destroy packing material, as these may be hazardous to children.
- Device designed for use in luminaires listed for Dry or Damp locations.
- This device is designed for indoor use. Do not use outdoors.
- Do not use this equipment for other than intended use.

#### IMPORTANT: BATTERY INFORMATION

- An un-switched AC power source of 100V AC to 277V AC is required.
- Battery is rechargeable NiCd or LiFePO4 and must be recycled or disposed of properly. **DO NOT** use this emergency driver with any accessory equipment other than recommended by manufacturer; failure to follow this warning may cause unsafe conditions.

Use caution when servicing batteries. Battery acid can cause burns to skin and eyes. If acid is spilled on skin or in eyes, flush acid with fresh water and contact a physician immediately.

#### IMPORTANT: MAINTENANCE INSTRUCTIONS

- LED Indicator light illuminated indicates the battery is in charging mode when AC power is applied. It is recommended and required by applicable code to test the emergency driver to ensure proper function of the system; push the test switch for 30 seconds every 30 days to ensure the emergency driver is functioning as LED light source is illuminated.

Conduct a 90 minute discharge test once a year; LED light source should be illuminated for minimum of 90 minutes.

#### COMPATIBILITY

The emergency drivers can be used with most LED loads with a forward voltage requirement between 12-50V DC. Verify that Emergency Backup unit selected does not exceed the power delivered to the LED load under normal operation from the AC LED driver.

Operating Temp: 32° ~ 122°F

**PLEASE SAVE THESE INSTRUCTIONS**

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## INSTALL INSTRUCTIONS



### INSTALLATION INSTRUCTIONS

**CAUTION:** Before installing or servicing, make certain the A.C. Power is off and the battery is disconnected.

#### 1. MOUNTING

1. Pre-drill a 1/2" hole at the desired location where the test switch will be installed.
2. Determine the appropriate location for the Emergency LED Driver and LED Battery Pack in the fixture.
3. Install Emergency LED Driver and LED Battery Pack to fixture using existing mounting holes in fixture or make new holes as needed.

#### 2. WIRING

1. Insert test switch into the pre-drilled 1/2" hole.
2. Complete wiring according to the above diagrams.\* Install in accordance with National Electrical Code and any applicable local code requirements.

*\*Safety Disconnect wires should be connected after all other wiring has been completed and before turning on the power.  
Disconnect the Safety Disconnect wires before servicing or removing the emergency pack from the fixture.*

3. Emergency LED Driver and AC LED Driver must be on the same branch circuit.
4. Ensure hot lead going to the black lead on the Emergency LED Driver is un-switched. When used with switched fixture(s), the Emergency Driver must be wired ahead of the switch.

#### 3. TESTING

1. Press the test switch to cut power to the AC driver and switch system to emergency mode. The light source should illuminate in emergency mode.
2. Release the button to return to normal mode. (Switch the circuit breaker off to simulate a full power outage).

**POWER OUTPUT SETTINGS** - Only dip switch 2 & 3 are connected to change power output. Dip switches 1 & 4 are disabled and their position has no effect on the operation of the emergency pack.

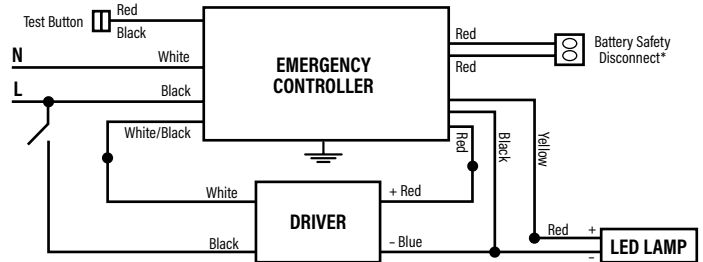
Item#: 55449

DIP SWITCH	BATTERY CHARGING CURRENT	POWER OUTPUT	EMERGENCY TIME
	160mA	10W	>120 (Minutes)
	160mA	15W	>90 (Minutes)

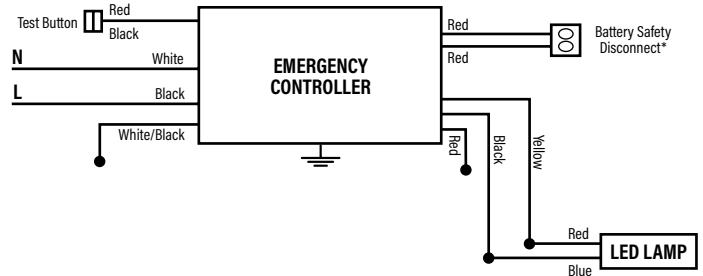
Item#: 55450

DIP SWITCH	BATTERY CHARGING CURRENT	POWER OUTPUT	EMERGENCY TIME
	160mA	10W	>120 (Minutes)
	160mA	15W	>90 (Minutes)
	350mA	20W	>90 (Minutes)
	350mA	25W	>90 (Minutes)

#### WIRING DIAGRAM (TYP)



#### WIRING DIAGRAM (EMERGENCY ONLY)



#### WIRING DIAGRAM (SPECTRA PANEL ONLY)

