

WIRING DIAGRAM

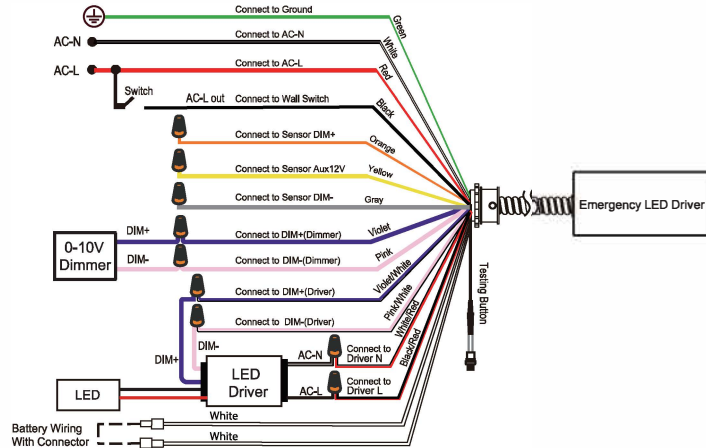


CAUTION: Before installing, make certain the AC power is off.

Wiring 1 : For LED Driver With Input Power Higher Than Emergency Output Power

0-10V Dimmable LED Driver + Dimmer Switch

Emergency Driver Dim+(Violet/White) , Dim-(Pink/White) Have to connect with LED driver DIM+ and DIM-

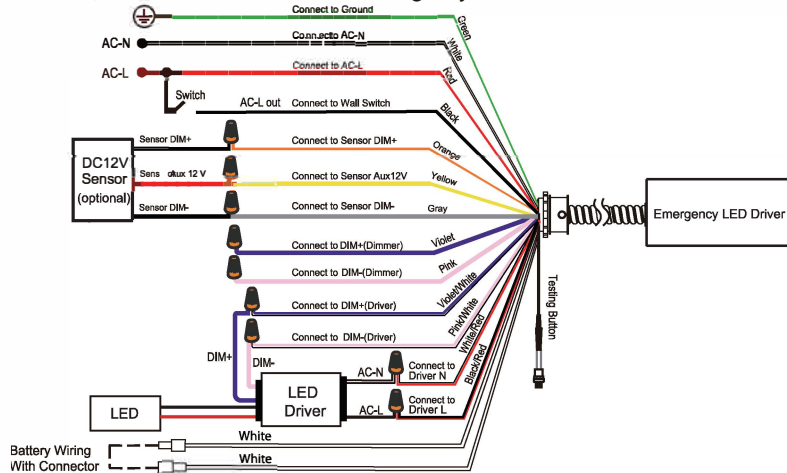


Wiring 2 : For LED Driver With Input Power Higher Than Emergency Output Power

0-10V Dimmable LED Driver + Wall Switch

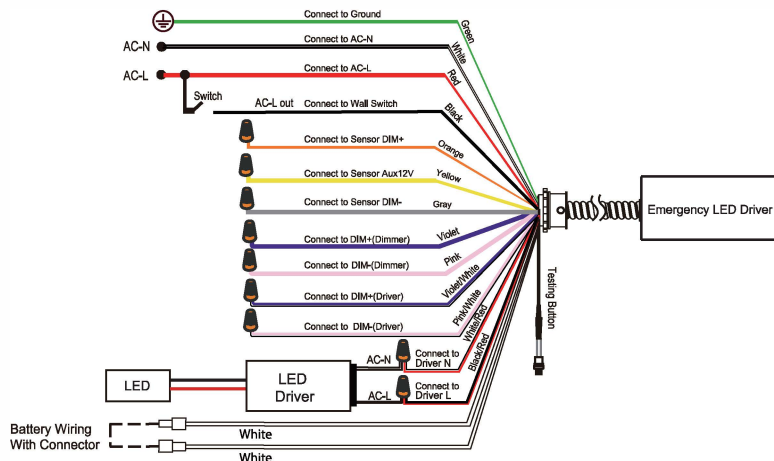
Emergency Driver Dim+(Violet/White) ,Dim-(Pink/White) Have to connect to LED driver DIM+ and DIM-

If using 12Vdc sensor, the wires must connect to emergency LED driver's 12V sensor wires.



Wiring 3 : For LED Driver With input Power Less Than Emergency Output Power

NON Dimmable LED Driver



INSTRUCTION MANUAL

IMPORTANT SAFEGUARDS

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

READ AND FOLLOW ALL SAFETY INSTRUCTIONS.

CAUTION: RISK OF SHOCK-disconnect emergency and normal input power sources before servicing any equipment connected to this unit.

CAUTION: Risk of fire or electric shock-This emergency battery pack installation requires knowledge of luminaire and electrical systems.

CAUTION: Servicing of this equipment should be performed by qualified personnel only.

CAUTION: Before installation, make certain the AC power to fixture is off.

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

CAUTION: Suitable for use in (Li-ion:5°C to 50°C/LiFePO4:5°C to 60°C) ambient temperatures.

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

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

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

CAUTION: The emergency battery pack is not for in an air-handling fixture.

CAUTION: Do not use this equipment for other than its intended use.

TESTING SYSTEM: The emergency battery requires a charge minimum of one (1) hour before testing the circuit. A full charge requires twenty-four (24) hours.

IMPORTANT: An unswitched AC power source is required (100-347VAC, 50/60 Hz). This device is designed for fixtures listed for dry and damp locations.

IMPORTANT: Please charge the battery consistently for >24 hours for the first time usage so as to activate the whole battery cells of discharging/charging duration.

IMPORTANT: Customers are advised to charge emergency LED drivers 24 hours every 6 months during storage, and which could be stocked for 1 year at most. If customers don't install and recharge for more than 1 year, the batteries may be damaged. This is not covered in the warranty, and we would charge for replacement.

IMPORTANT: Lighting fixture manufacturers, electricians, and end-users need to ensure product system compatibility test before using and final installation.



THIS PRODUCT CONTAINS A RECHARGEABLE Li-ion/LiFePO4 BATTERY.
THE BATTERY MUST BE RECYCLED OR DISPOSED OFF PROPERLY.

ATTENTION:

- 1 PRESS THE TEST SWITCH TWICE, THE BATTERY WILL ENTER IN SLEEP MODE. SLEEP MODE SHOULD BE USED FOR TRANSPORTATION AND STORAGE. BATTERY WILL DISENGAGE UNTIL MAINS POWER IS APPLIED.
- 2 DO NOT MATE UNIT CONNECTOR UNTIL INSTALLATION IS COMPLETE.



SELF-TEST:

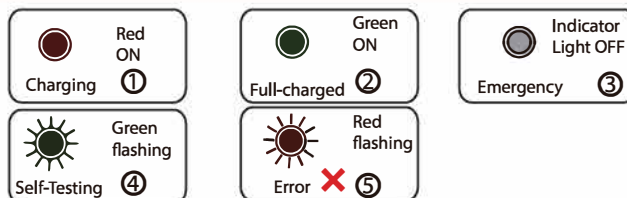
This unit contains a control/monitor circuit that if enabled automatically performs a 30-second discharge test once a month and a full 90-minute discharge test once a year. During routine testing, the self-testing emergency driver simulates an AC power failure causing the unit to automatically switch to emergency mode. The unit will monitor the operation of the LED load, battery voltage, and emergency duration. If the emergency system functions properly, then the unit will return to normal mode. Should the unit detect any problems, the indicator light will flash per failure condition (see Troubleshooting Guide) until the condition has been corrected and the unit passes the next test.



Indicator Light Introduction







- ① Red/ON: Charging
- ② Green/ON: Full-charged
- ③ Indicator light OFF: Discharging (emergency mode)
- ④ Green/Flashing: Self-Testing
- ⑤ Red Flashing: Error

Note: See Trouble Shooting Guide



TEST SWITCH INDICATOR STATUS & TROUBLE SHOOTING GUIDE

The charge indicator will be lit Solid Red when charging, and will be lit Solid Green when fully charged and in the standby mode. The indicator will flash Green when self-testing. If a problem is encountered during the test cycle, the indicator will flash Red, according to the diagnostic codes below:

Mode	LED Indicators Status	Error	EM Driver Status / Mode	Corrective Action
Normal Mode	Solid Green 	None	Battery fully charged/System OK	/
	Solid Red 	None	Battery is charging	/
	Both LEDs OFF 	None	In EM mode or emergency run-time is ended	/
	Flashing Green 	None	Self-Diagnostic test underway	/
Fault Mode	Flashing Red 	Battery	Battery not connected Battery failure	1.Check battery switch or connection. 2.Replace battery. 3.Contact after-sales.
	Flashing Red 	LED Load		1. Check whether there are short circuits, damage, 0-10V dimming wires connection wrong or loose. 2.Contact after-sales.

MANUAL TEST

Test Mode	Description	Action	Status	Quit
Fast Test	Quick discharge test	Press the test button 1 time	LED load will light up for 5s	/
Monthly	30-second test	Press the test button 3s continuously	LED load will light up for 30s	Hold the test button/switch for 1s
Annually	90-minute test	Press the test button 6s continuously	LED load will light up for 90 minutes	Hold the test button/switch for 1s