

Emergency LED Driver

EMA Series

MODEL:EMAXXY-ZZZ

For lamp with external driver



Features

- UL Listed for us and canada
- Listed to UL924 and tested to CSA C22.2 NO.141 Field or factory installation
- High output voltage
- Low energy consumption CEC compliance
- Constant output power
- Self-testing
- Battery:over temperature protection

Specifications

- Input Voltage:100~277Vac/347Vac, 50/60Hz
- Input Current:100mA max.
- Input Power Rating:7W max.
- Output Voltage:25~230Vdc
- Emergency Power:30W max.
- Recharge Time:24Hrs
- Discharge Time:≥1.5H
- Warranty:5 Years
- Ambient Temp : Li-ion:32~122°F(0~50°C)
Ni-MH: 41~149°F(5~65°C)
- Weight:2.66 lbs(1.207kg)
- Surge Protection:Line-Neutral 3KV

Function

- AC Operation, indicator light will keep on
- Emergency Operation, indicator light flash slowly (light on for 2 seconds, light off for 2 seconds)
- In a failure, indicator light flash quickly (light on for 0.2 seconds, light off for 0.2 seconds)

Model NO.

Model NO.	Output Voltage	Emergency Power	Battery Type
EMA30YY-050	20~50Vdc	30W	Li-ion/ Ni-MH
EMA20YY-050		20W	
EMA15YY-050		15W	
EMA08YY-050		8W	
EMA30YY-080	51~80Vdc	30W	
EMA20YY-080		20W	
EMA15YY-080		15W	
EMA08YY-080		8W	
EMA30YY-155	81~155Vdc	30W	
EMA20YY-155		20W	
EMA15YY-155		15W	
EMA08YY-155		8W	
EMA30YY-230	156~230Vdc	30W	
EMA20YY-230		20W	
EMA15YY-230		15W	
EMA08YY-230		8W	

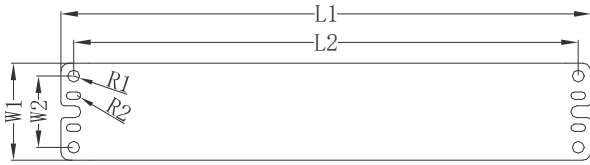
NOTE:EMAXXY-ZZZ

XX=Emergency Power; YY=Sales Code;
ZZZ=Output Voltage;

CAUTION:

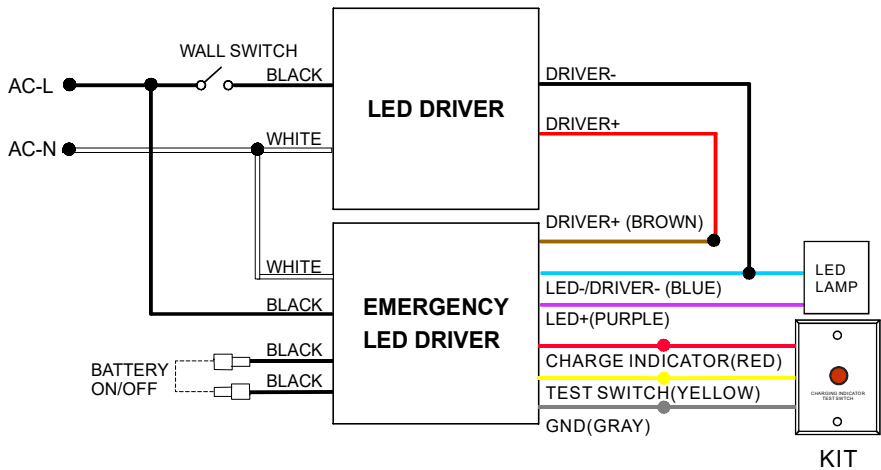
- The emergency driver have battery inside, forbidden for insulation voltage(I/P-O/P) test
- After test, disconnect the unit connector of the battery pack first before shipping and storing
- During storage, the battey pack need 24 hours charge every 3 months

Dimensions

Emergency LED Driver		Size(inch)										
Picture		Length		Width		Height	Radius		Flexible Conduit	Conduit Diameter	Connector Diameter	Length of the wire
		L1	L2	W1	W2	/	R1	R2	/	/	/	/
		12.32"	11.73"	2.32"	1.65"	1.48"	0.14"	0.08"	13"	0.75"	0.79"	5.51"

Wiring Diagram

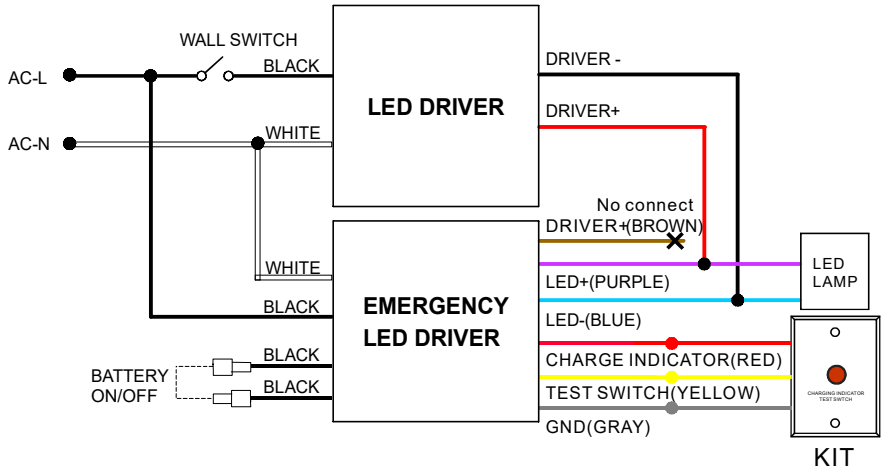
WIRING DIAGRAM 1



(This wiring diagram is suitable for LED lamps with power less than 120W and the output current of the lamp's driver does not exceed 3A)

*This wiring diagram also can work for LED lamp with power less than 250W and the output current of the lamp's driver does not exceed 5A, for detailed information, pls consult the manufacturer

WIRING DIAGRAM 2

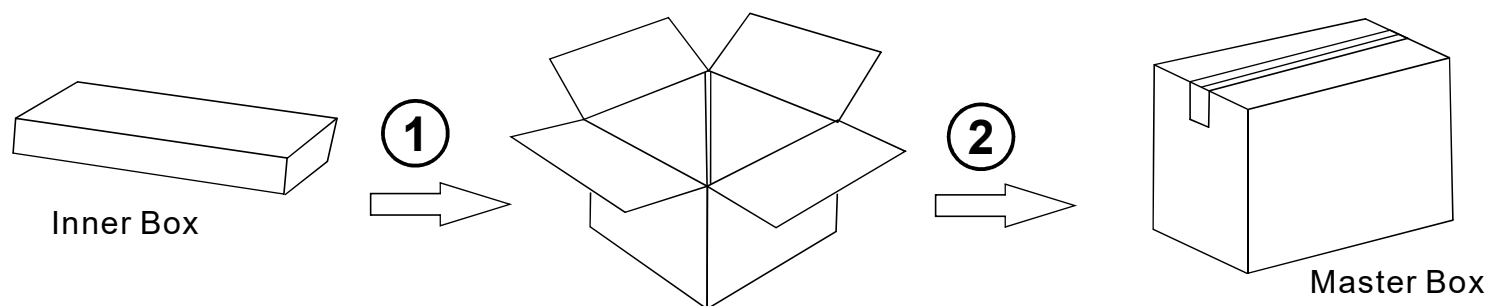


(This wiring diagram is suitable for LED lamps with power less than 300W and turn off wall switch before testing)

SELF-TEST

- The emergency LED driver contains a control/monitor circuit which will perform a 30-second discharge test once a month and a fully discharge test once a year. At this time, the unit simulate an AC power failure and automatically switch to emergency mode. During routine testing, the unit will monitor the operation of the LED load, battery voltage, and emergency duration, if the unit detect any problems, the indicator will flash quickly.

Package



Package information are as following forms

Package for EM driver with Li-ion battery

Housing Material	Power	Length(inch)	Width(inch)	Height(inch)	G.W(kg)	N.W(kg)	QTY(pcs)
Iron	8W	16.57"	11.26"	10.24"	/	/	10
	15W-20W	16.57"	11.26"	10.24"	/	/	10
	30W	16.57"	11.26"	10.24"	/	/	10

Package for EM driver with Ni-MH battery

Housing Material	Power	Length(inch)	Width(inch)	Height(inch)	G.W(kg)	N.W(kg)	QTY(pcs)
Iron	8W	16.57"	11.26"	10.24"	/	/	10
	15W-20W	16.57"	11.26"	10.24"	/	/	10