

JEMA-SD SERIES LED EMERGENCY BATTERY PACK

CONSTANT POWER SELF-DIAGNOSTIC EMERGENCY BATTERY PACK



SLIM PROFILE
FOR NARROW COMPARTMENTS



PRODUCT DESCRIPTION

JEMA-SD series emergency drive is UL listed led emergency driver for Field and factory installation that allows the same led fixture to be used for both normal and emergency operation. In the event of a power failure. The emergency driver switches to emergency mode and operates the existing fixture to 90 minutes. The unit contains a battery, charge and converter for individual fixture requirements. This module will operate a LED array load at 15W, 30W and 40W with constant power at a rated output voltage of 170VDC. The patented constant power design of the module maintains the output wattage to LED array even as the system voltage diminished resulting in a constant illumination level for entire emergency runtime. The integrated self-diagnostic circuitry will automatically conduct 1 monthly 30 seconds and annual 90-minute tests to verify proper emergency capability per Life Safety Code requirements.

STANDARD FEATURES

- Input Voltage: 100-347VAC, 50/60Hz
- Input Power: 12 Watts (max)
- Output Voltage: 170 VDC
- Output Power: 15W / 30W /40W
- Power Factor: ≥ 0.85
- Emergency Operation: 90 minutes
- Charge Time: 24 Hour Recharge
- Battery: Lithium Battery 0° to 55° C
- Weight: 1.21kg
- Self-sensing output voltage operates various
- Five mounting configurations available
- Long-life, maintenance-free, high temperature recyclable Lithium battery

CERTIFICATIONS AND COMPLIANCE

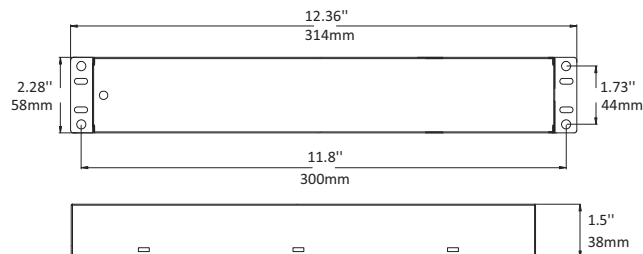
- cUL Listed for factory and field installation
- UL 924 Listed for U.S. and Canada
- EMI (Radiated and Conducted): FCC Class A (charge and EM modes)
- Surge Protection: Meets ANSI/IEEE C62.41.2-2002
- Rated for use in plenum, damp location, and en-closed and gasketed fixtures
- RoHS Compliant
- 5-Year Warranty.

DIMENSIONS

Case: L*W*H=12.36"(314mm)*2.28"(58mm)*1.5"(38mm)

Mounting Center: 11.8"(300mm)

Flexible Conduit: 13"(330mm)



ELECTRICAL DATA

Model Number	JEMA-SD-15W	JEMA-SD-30W	JEMA-SD-40W
Input Voltage	100-347VAC, 50/60HZ	100-347VAC, 50/60HZ	100-347VAC, 50/60HZ
Input Current	200mA(Max)	200mA(Max)	200mA(Max)
Input Power	12W(Max)	12W(Max)	12W(Max)
Output Power	15W	25W	40W
Output Voltage	≤ 170 VDC		
Operating Temperature	0°C to 50°C (32°F to 122°F)		
Warranty	5 years		



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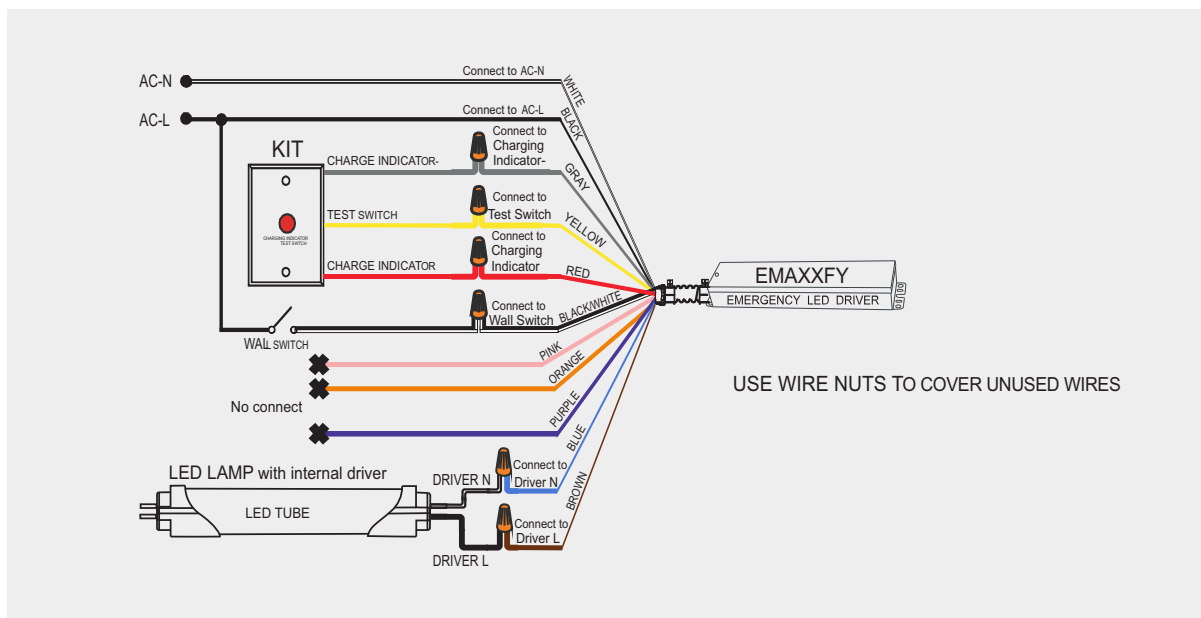
Information contained herein is subject to change without notice.

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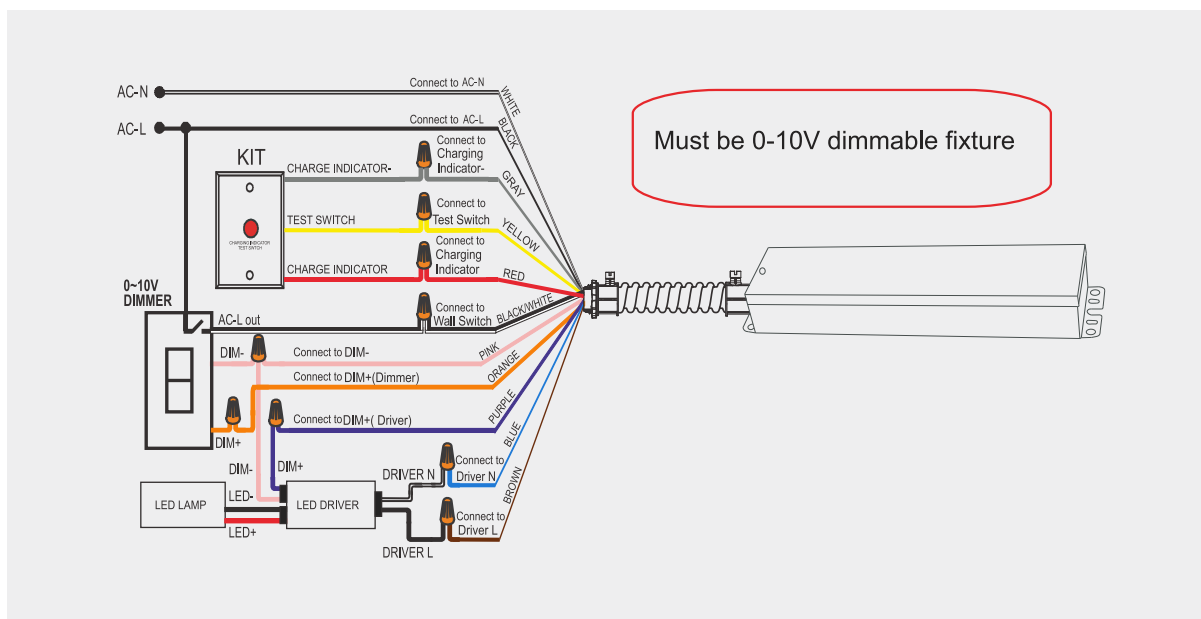
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WIRING DIAGRAMS

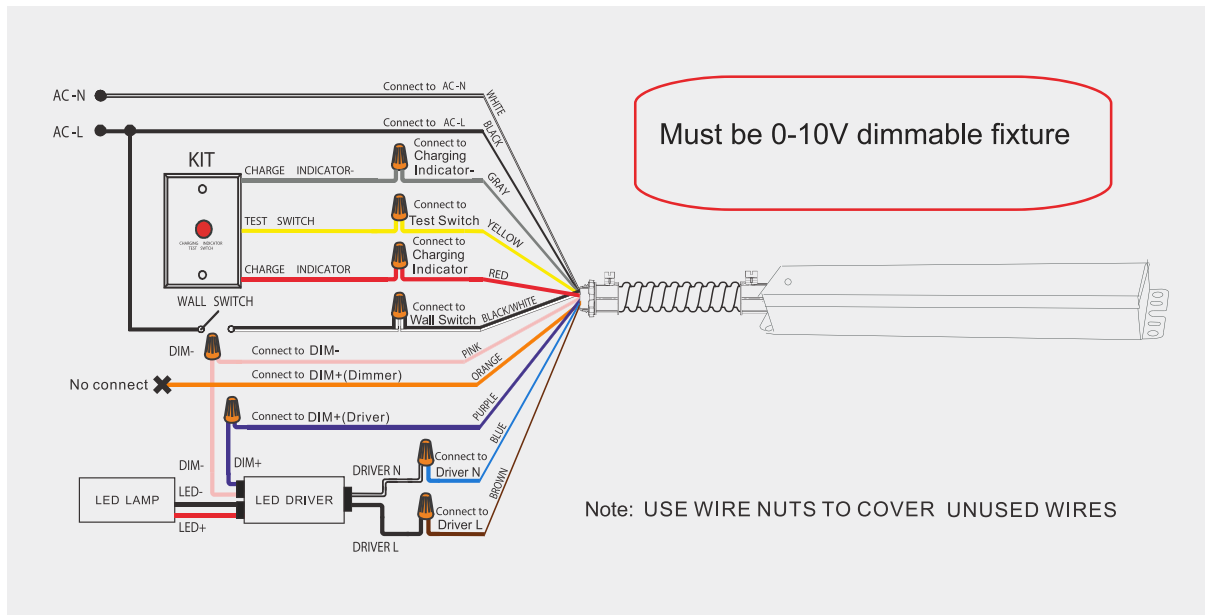
Normal solution: When the LED driver power less than the emergency power



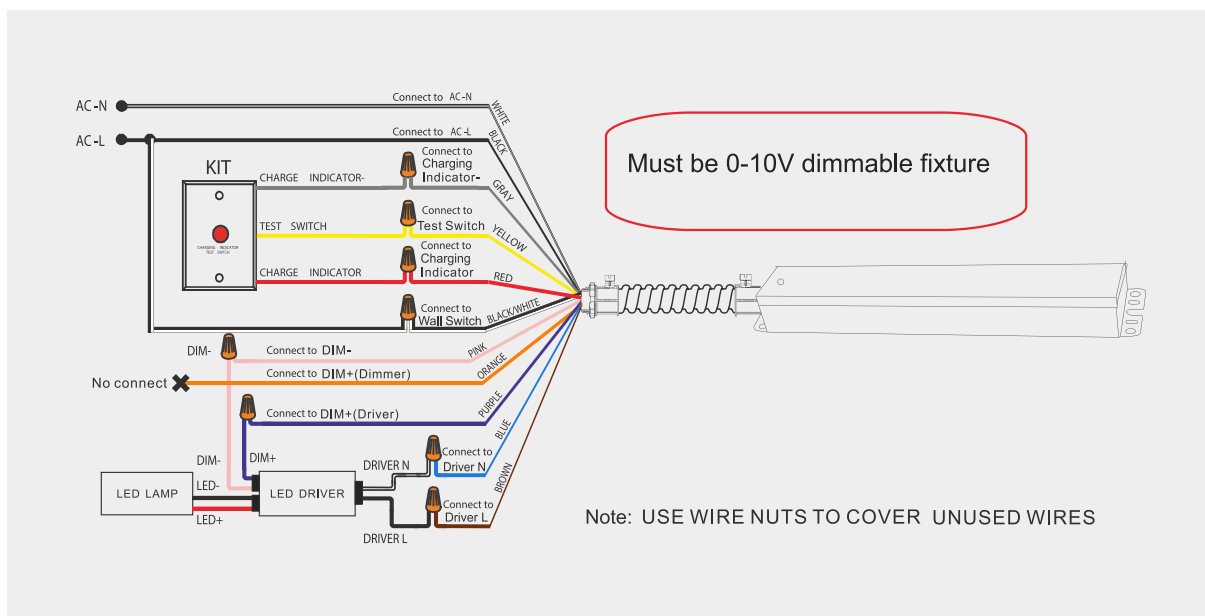
When the led driver power more than emergency led driver with dimmer



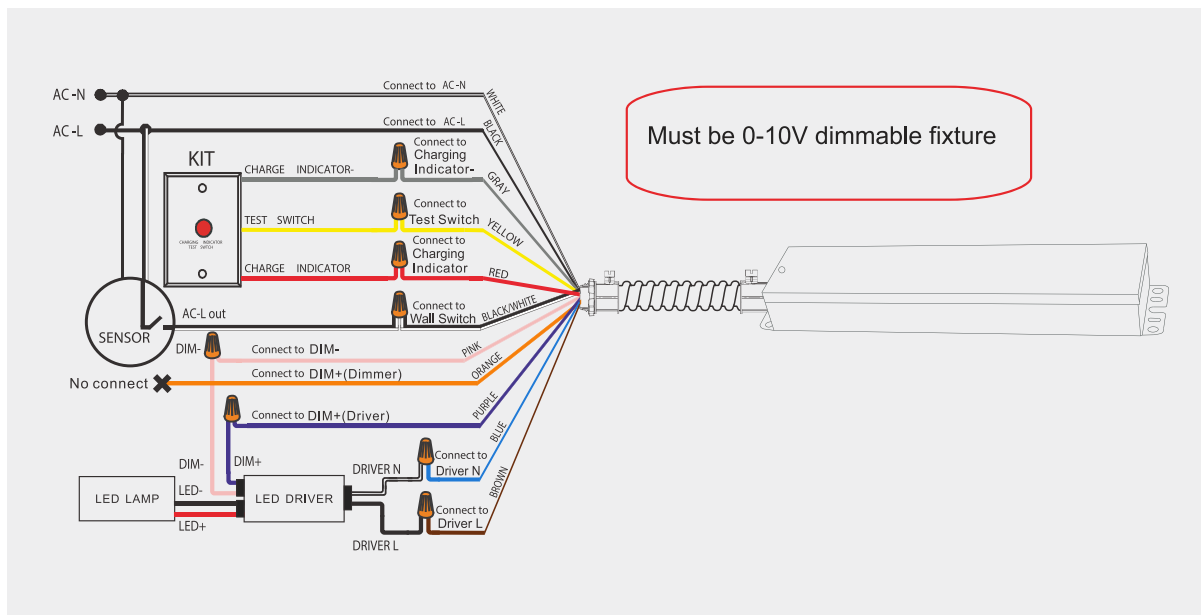
Without dimmer



Without switch and dimmer



With Sensor



INDICATOR OPERATION

Model	Test switch operation	Indicator Status	Comment&Solutions
AC ON	No Pressed	ON (No flashing)	EM is charging
AC ON	Pressed on	2 second on and 2sond off	EM is discharging,after 30 seconds back to AC mode
AC ON	Pressed twice(2s)in seconds	2 second on and 2sond off	EM is operate long time discharging untill battery be full discharged,then back to AC charging mode.
AC OFF	-	2 second on and 2sond off	Switches to emergency mode and operates the existing fixture to 90 minutes untill full discharge.
AC OFF	When EM is discharging ,press test switch ,em will stop discharge .Need AC on activate whole fixture.		
Failure	When indicator flash faster,or going off,the EM back up maybe have comptabile problems or can not work.		

HOW TO CHOOSE WATTAGE

		15W	30W	40W
NO DIMMING	0-15W no dimming fixture	√	√	√
	15-25W no dimming fixture		√	√
	25-40W no dimming fixture			√
0-10V DIMMING	0-15W no dimming fixture	√	√	√
	15-25W no dimming fixture		√	√
	25-40W no dimming fixture			√

