



### EMERGENCY LED DRIVER

**KVD-EM-XXW-170**

15W/20W/25W/30W/40W

100-347VAC



100-347V  
Input Voltage



170VDC  
Output Voltage



IP RATING  
Wet Location



SELF  
Diagnostic

### For wiring to the led driver's input

#### Features

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

#### Specifications

- Input Voltage:100~347Vac,50/60Hz
- Input Current: 200mAmax.
- Input Power Rating:12W max.
- Output Voltage:170Vdc
- Emergency Power:15W/20W/25W/30/40W
- Recharge Time:24Hrs
- Discharge Time:90 minute
- Battery:Li-ion
- Warranty: 5 Years
- Ambient Temp:32~122 F(0~50 C)
- Weight:3.66 lbs(1.4kg)

#### Model No.

| Model No.      | Output Voltage | Emergency Power | Battery Type |
|----------------|----------------|-----------------|--------------|
| KVD-EM-15W-170 | 170Vdc         | 15W             | Li-ion       |
| KVD-EM-20W-170 |                | 20W             |              |
| KVD-EM-25W-170 |                | 25W             |              |
| KVD-EM-30W-170 |                | 30W             |              |
| KVD-EM-40W-170 |                | 40W             |              |

#### Indicator Light

- AC Operation, indicator light will keep on
- Emergency Operation, indicator light flash slowly (light on for 1 seconds, light off for 1 seconds)
- In a failure, indicator light flash quickly (light on for 0.02 seconds,light off for 0.02 seconds)

#### Test Switch

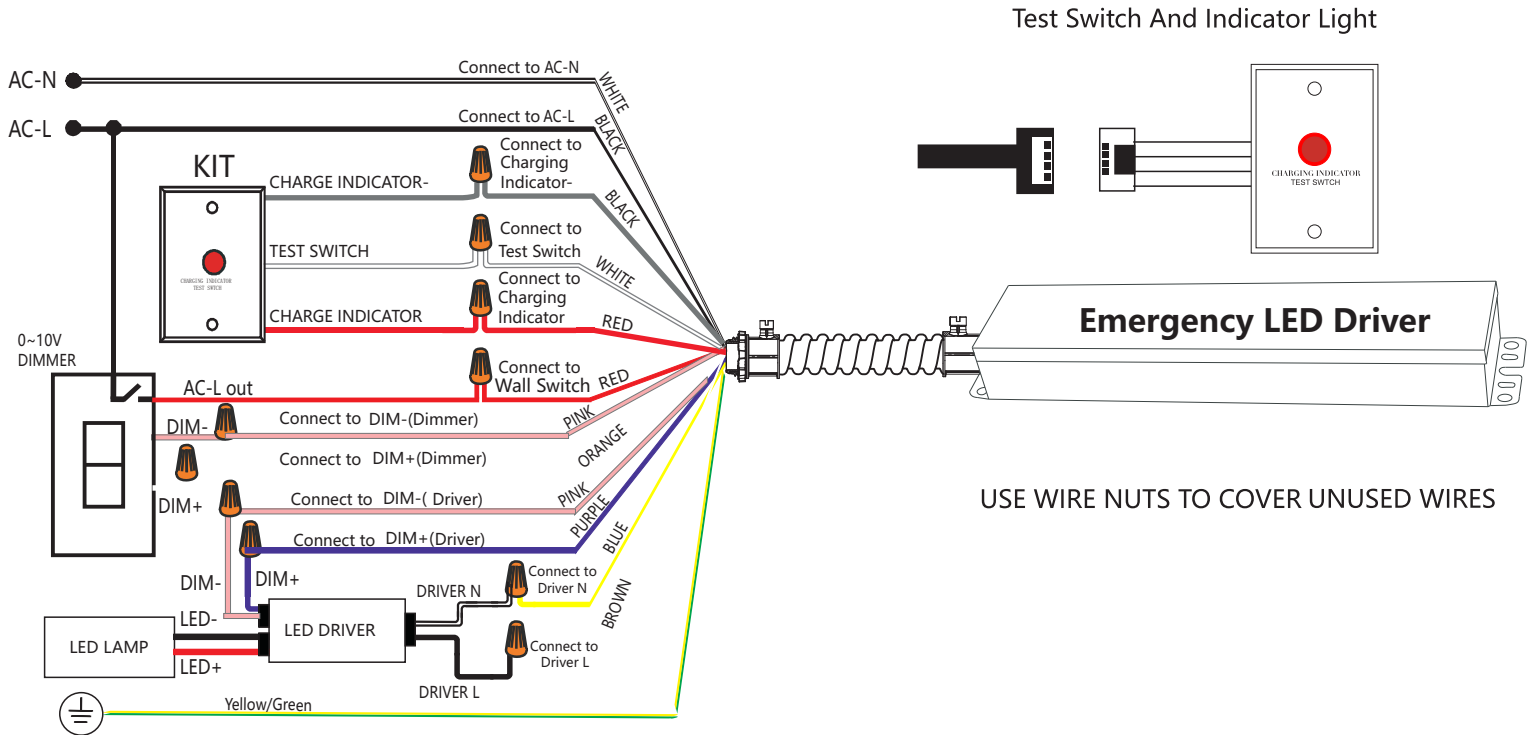
- In AC Operation, press test switch once, emergency for 20 seconds
- In AC Operation, press test switch twice in asuccession within two seconds, emergency until battery is full discharged
- In the emergency operation, press test switch will turn off emergency status, and led lamp & indicator light of EM driver will go out at the same time



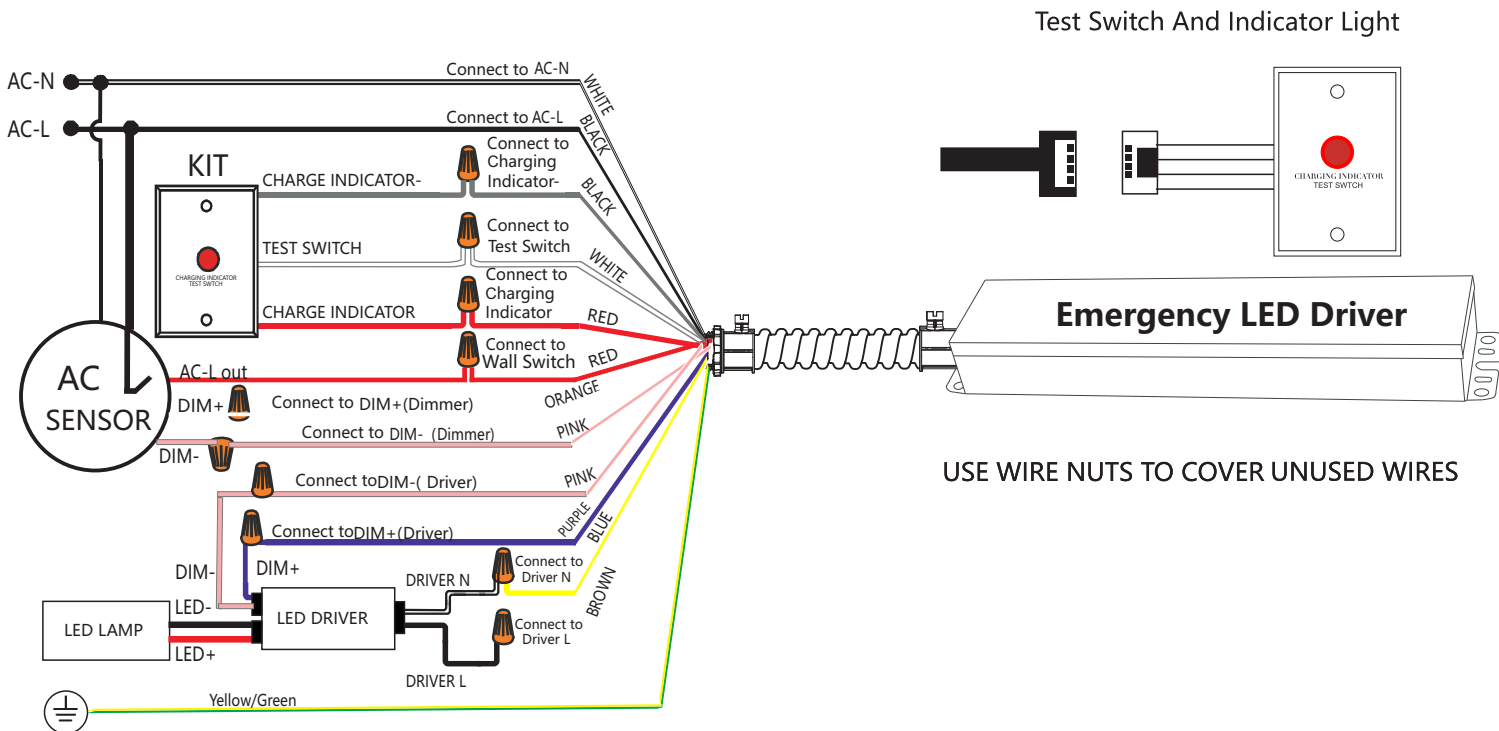


# When the led driver power more than the emergency power

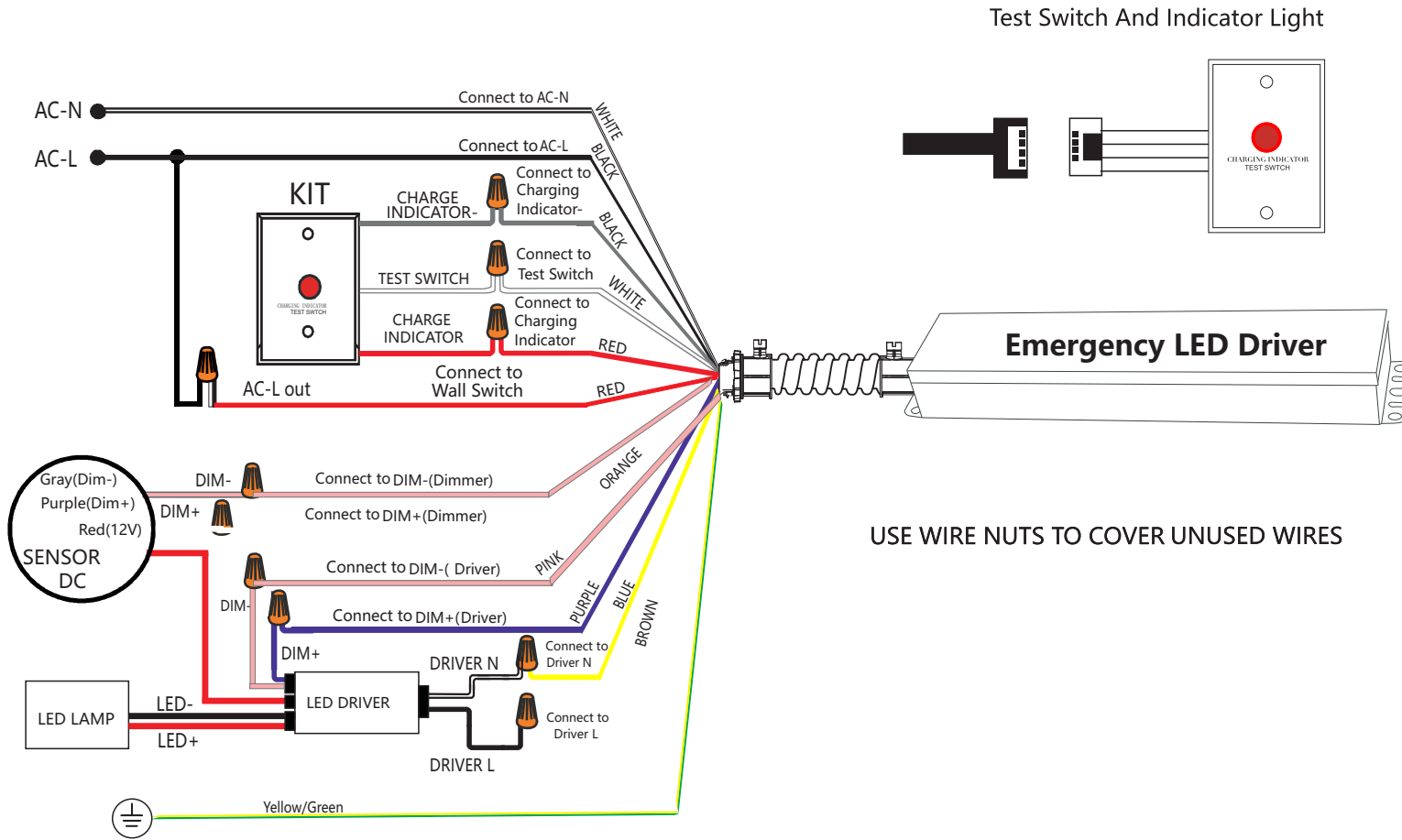
## 4. With Dimmer



## 5. With Sensor (AC)



## 6. With Sensor(DC12V)



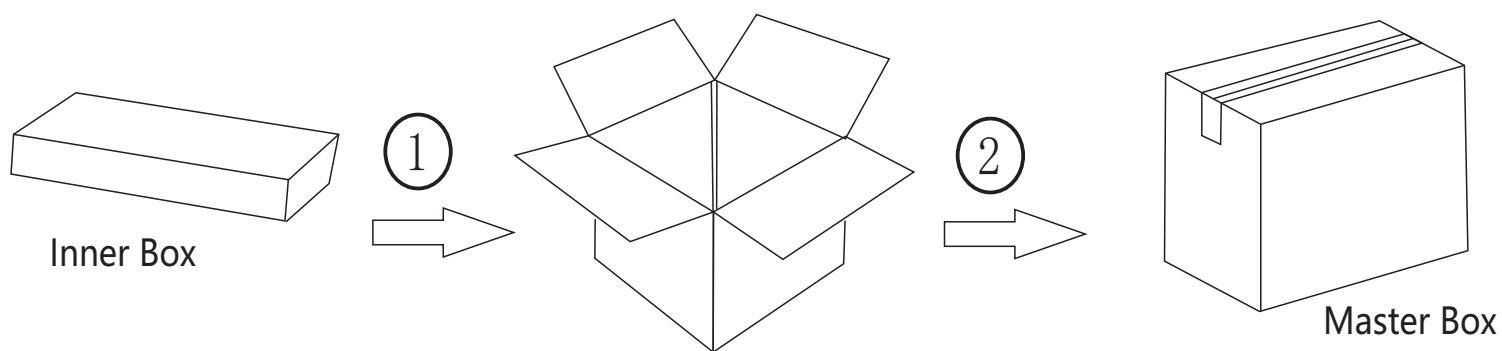
## SELF-TEST

- 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.

## Dimensions

| LED Emergency Driver | Size(inch) |        |       |       |        |        |       |                  |                  |                    |                    |  |
|----------------------|------------|--------|-------|-------|--------|--------|-------|------------------|------------------|--------------------|--------------------|--|
|                      | Length     |        | Width |       | Height | Radius |       | Flexible Conduit | Conduit Diameter | Connector Diameter | Length of the wire |  |
| Picture              | L1         | L2     | W1    | W2    | /      | R1     | R2    | /                | /                | /                  | /                  |  |
|                      | 12.12"     | 11.69" | 2.36" | 1.65" | 1.57"  | 0.19"  | 0.19" | 13.7"            | 0.62"            | 0.79"              | 5.91"              |  |

## Package



## Package information are as following forms

| Power | Length(inch) | Width(inch) | Height(inch) | G.W(kg) | N.W(kg) | QTY(pcs) |
|-------|--------------|-------------|--------------|---------|---------|----------|
| 15W   | 16.57"       | 11.81"      | 11.02"       | 10.5    | 9.5     | 10       |
| 20W   | 16.57"       | 11.81"      | 11.02"       | 11.5    | 10.5    | 10       |
| 25W   | 16.57"       | 11.81"      | 11.02"       | 13      | 11.5    | 10       |
| 30W   | 16.57"       | 11.81"      | 11.02"       | 14.5    | 12.8    | 10       |
| 40W   | 16.57"       | 11.81"      | 11.02"       | 15      | 13.5    | 10       |

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