



EMERGENCY LED DRIVER

KVD-EMUFO-XXW-170

25W/30W/40W | 100-347VAC



100-347V
Input Voltage



170VDC
Output Voltage



IP RATING
Wet Location



SELF
Diagnostic



REMOTE
Control

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:25W/30W/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-25W-170 | 170Vdc | 25W | Li-ion |
| 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)

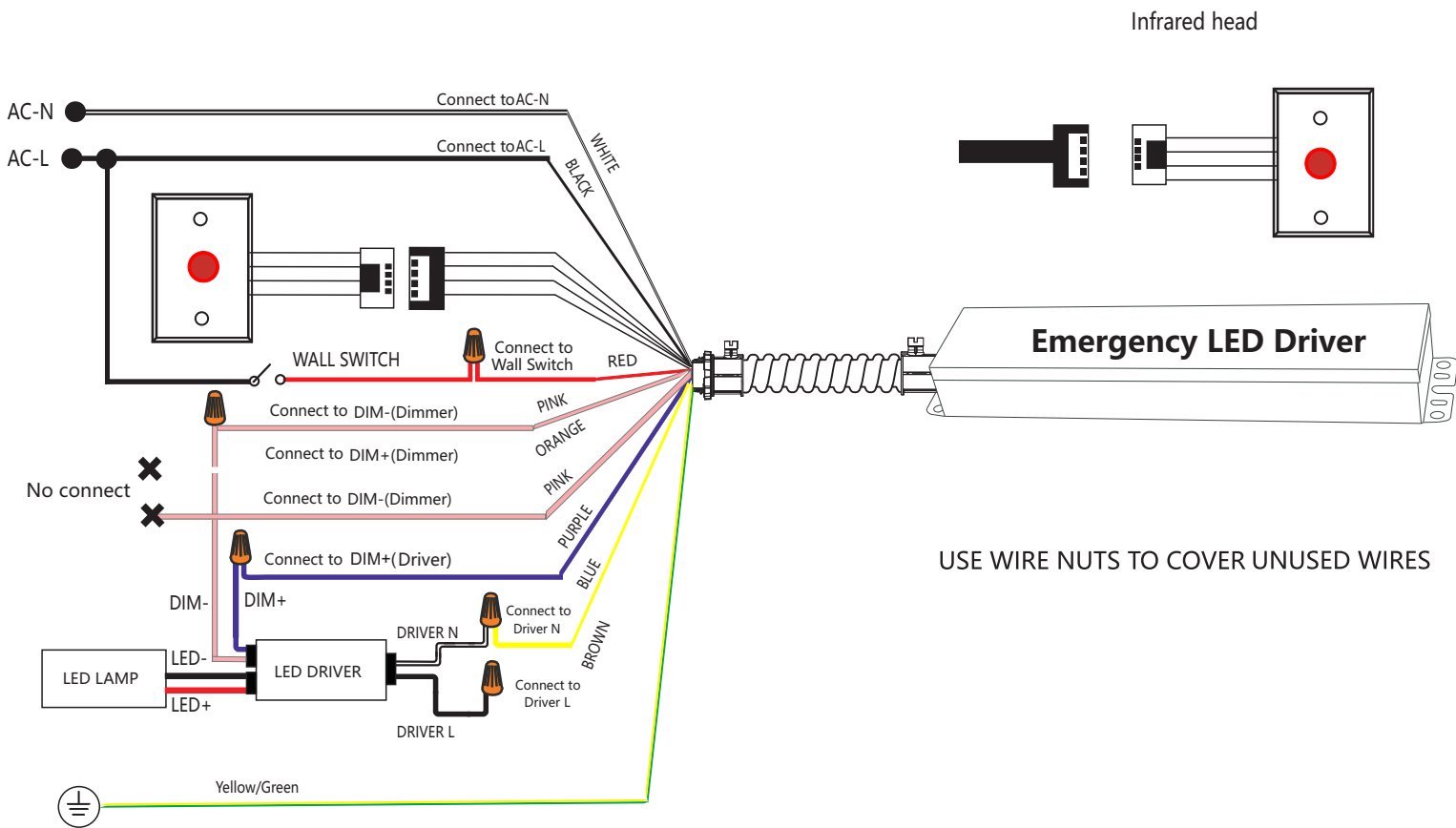
OPERATION(INDICATOR STATUS)

| Model | Test Switch Operation | Indicator Status | Comment & Solutions |
|--------------------|--------------------------------------|----------------------------------|--|
| AC MODE | Pressed the ON button on the remote | 0.5s ON andis OFF (slowflashing) | The battery is under emergency test Press OFF on the remote again to toggle the battery charge |
| EMERGENCY MODE (1) | NO Pressed | 0.5s ON andis OFF (slowflashing) | Battery is automatically conducting a emergency until Battery is fully discharged |
| EMERGENCY MODE (2) | Pressed the OFF button on the remote | OFF | Battery is turned off |

CAUTION:

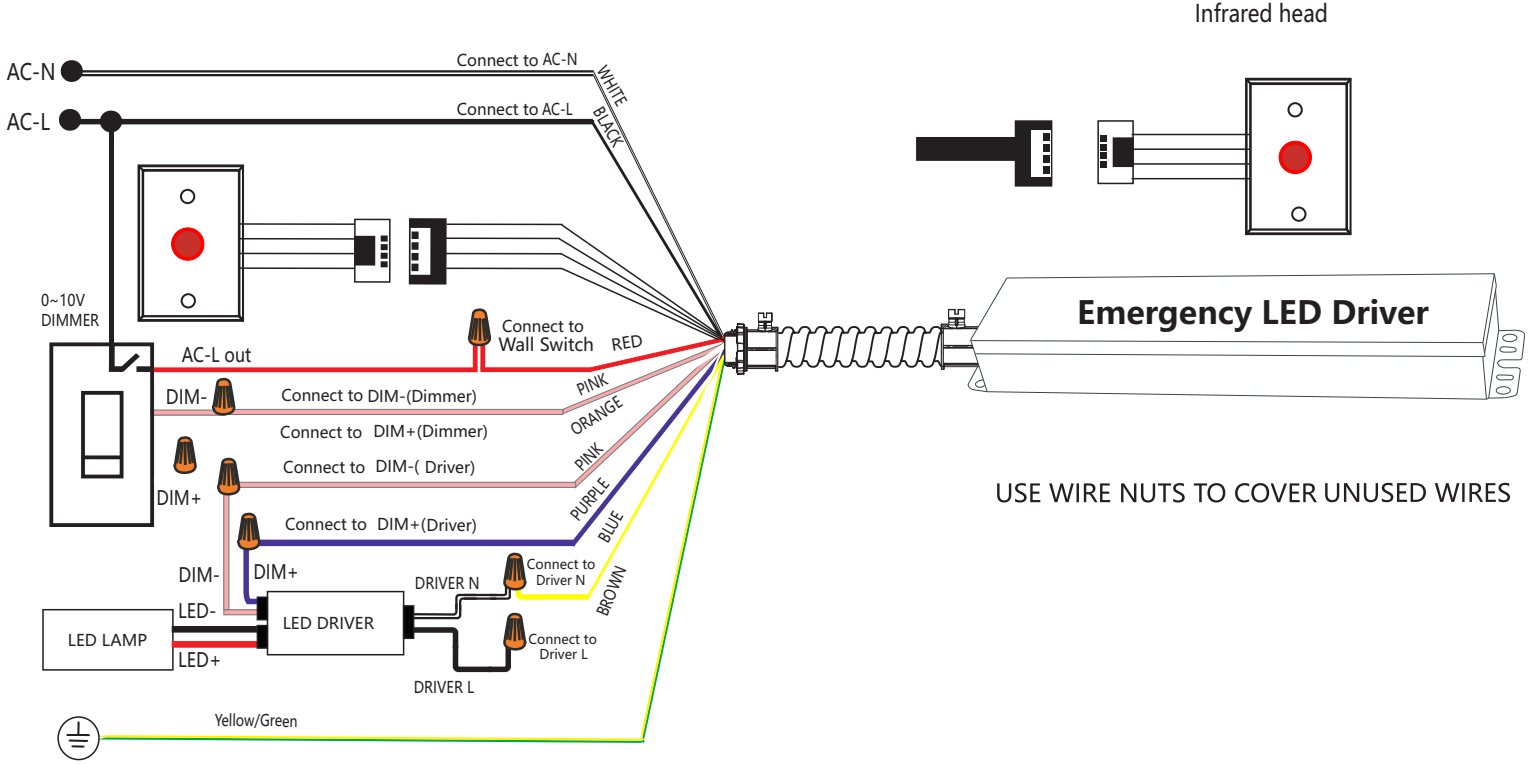
- During AC operation, remember no touch or remove any wires in case of electric shock
- During emergency operation, before touching and disconnecting the wires, remember to press the test button again to make the led lamp and indicator light off to avoid electric shock
- The voltage input to the dimmable wires(DIM+,DIM-) of emergency LED driver must less than 20Vdc
- For emergency LED driver of KVD-EM-25W better work with LED lamp not more than 150W, for KVD-EM-30W-170/KVD-EM-40W-170 must work with LED lamp less than 300W

1. Without Dimmer

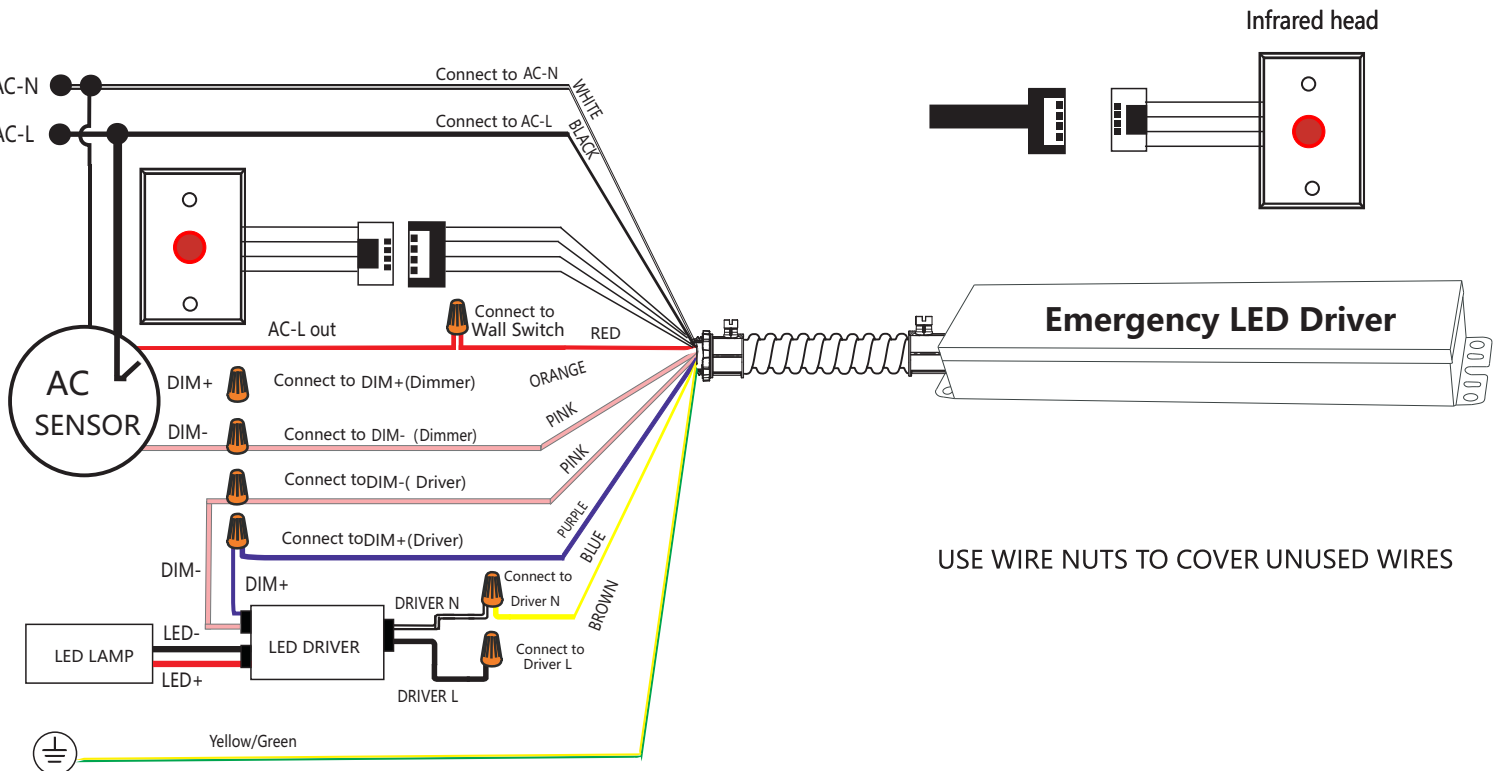


When the led driver power more than the emergency power

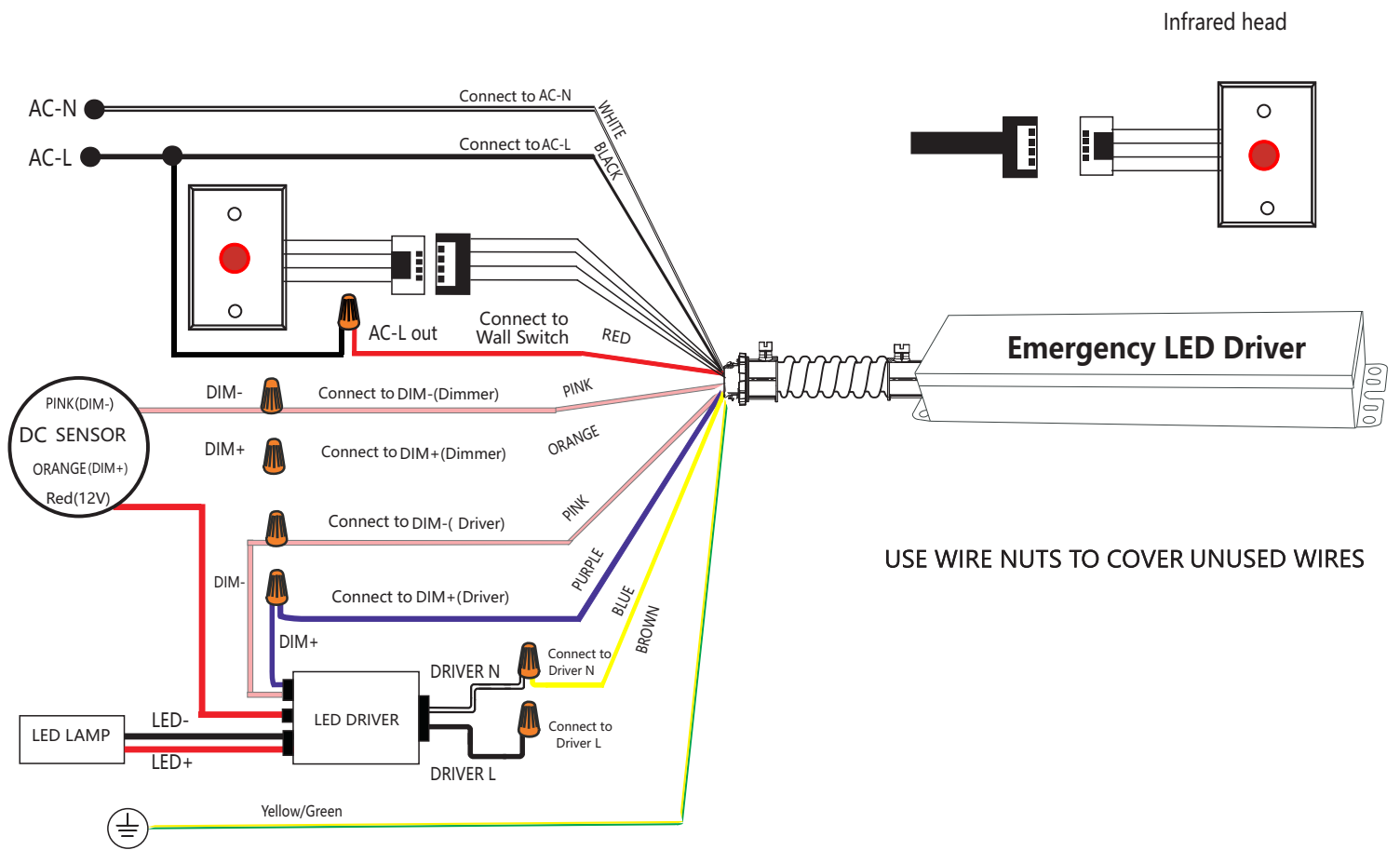
4. With Dimmer



5. With Sensor (AC)



6. With Sensor(DC12V)



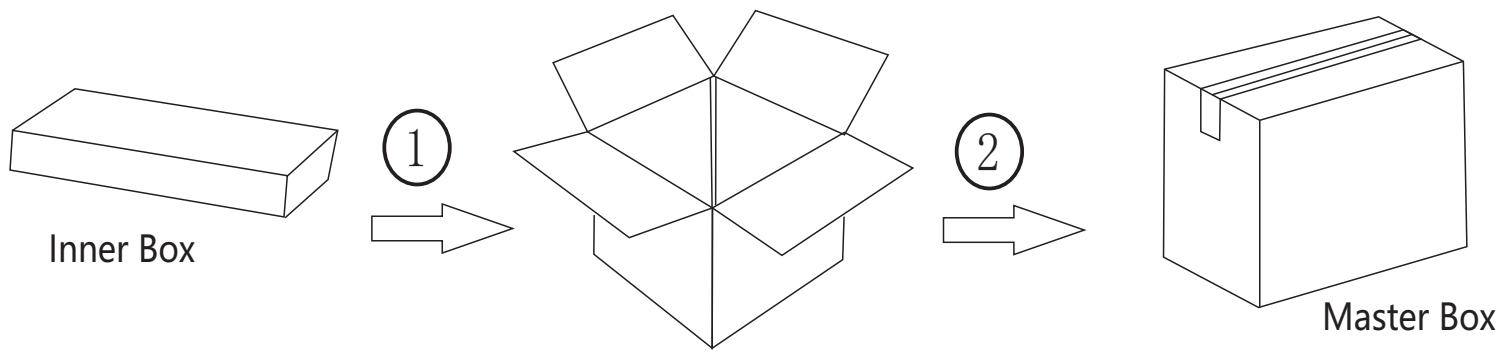
SELF-TEST

- 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) |
|-------|--------------|-------------|--------------|---------|---------|----------|
| 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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