

# SUPERIOR 240 W, 12 VDC POWER SUPPLY



Superior Series

## Specifications

SKU.....H240W-SD-12  
Warranty.....10-year product/5-year limited labor

### Performance

Input voltage.....100~277 VAC  
Input current.....1.0A/277VAC  
Input frequency.....50~60 Hz  
Efficiency.....≥92%  
Power input.....2.8 A/100VAC  
Output voltage.....DC 12V ±3%  
Output current.....5 A x4  
Output power.....240 W

### Safety

Protective characteristics.....Over-current/short-circuit/  
over-voltage/over-temperature  
Safety rating.....IP68, Class 2  
Dielectric Strength (Hi-Pot) ....I/P-O/P 3.75KVac/10mA/3S  
I/P-Case 1.8KVac/10mA/3S  
Insulation Resistance.....100MOhm Max/500Vdc/3S  
Grounding Resistance.....100mOhm Max  
EMC.....FCC part 15 class B

High performance superior  
power supply



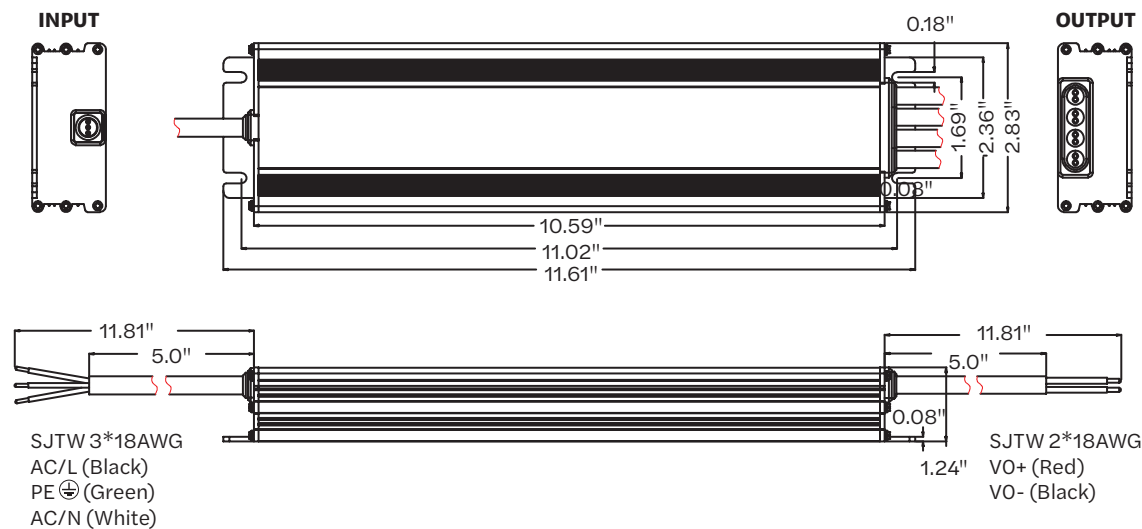
UL Retrofit Kit  
Classified

### Environmental

Operating temperature.....-40°~+50° C  
Storage temperature.....-40°~+80° C  
Relative humidity.....20~95% RH, non-cond.  
Vibration.....10 ~ 500HZ, 5G, 30 minutes  
(for X, Y, Z each axis)



## Dimensions

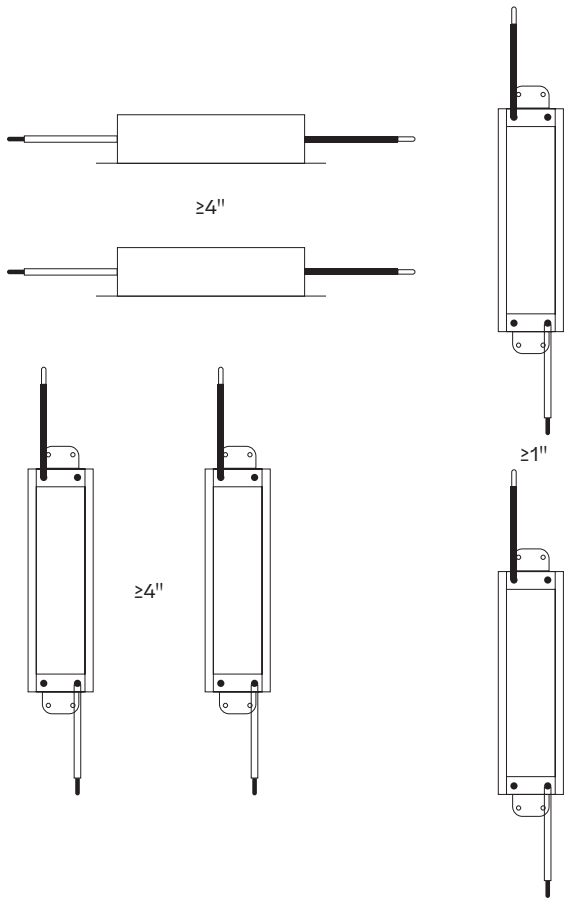


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## Spacing Between Power Supplies



- Ensure that the ground wire is properly grounded and ensure it does not come into contact with the neutral wire.
- Ensure the power supply position has sufficient airflow.
- Operating temperature must be between  $-40^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$ .
- Do not overload the power supply with multiple appliances.
- Power supply operates at high temperature.  
To avoid injury, do not touch while in use.
- Do not install with power connected or during an electrical disturbance.
- Do not attempt to install by yourself.  
Please contact the supplier with any questions.
- Please read and follow the instructions carefully before installing.  
Ensure all contact points are in good working order.
- Please pay attention to the environment, and check for any unsafe conditions.

UL 48 Standard requires spacing between LED power supplies shall be at least 1 inch from end to end and 4 inches from side to side. This is to ensure adequate heat dissipation. Greater spacing may be required when heat ventilation in the sign or power supply enclosure is not adequate.

