

SUPERIOR 180 W, 12 VDC POWER SUPPLY



Superior Series

Specifications

SKU.....H180W-SD-12
 Warranty.....10-year product/5-year limited labor

Performance

Input voltage.....100~277 VAC
 Input current.....2.0A/110 VAC | 0.8A/277VAC
 Input frequency.....50~60 Hz
 Efficiency..... $\leq 89\%$
 Power factor..... $\leq 92\%$
 Power input.....2.1 A max.
 Output voltage.....DC 12V $\pm 2.5\%$
 Output current.....5 A
 Output power.....180 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 3KVac/10mA/60S
 I/P-Case 1.8KVac/10mA/60S
 Insulation Resistance.....100M Ω Max/500Vdc/3S
 Grounding Resistance.....<0.1 Ω m
 EMC.....FCC part 15 class B EN55015

High performance superior power supply



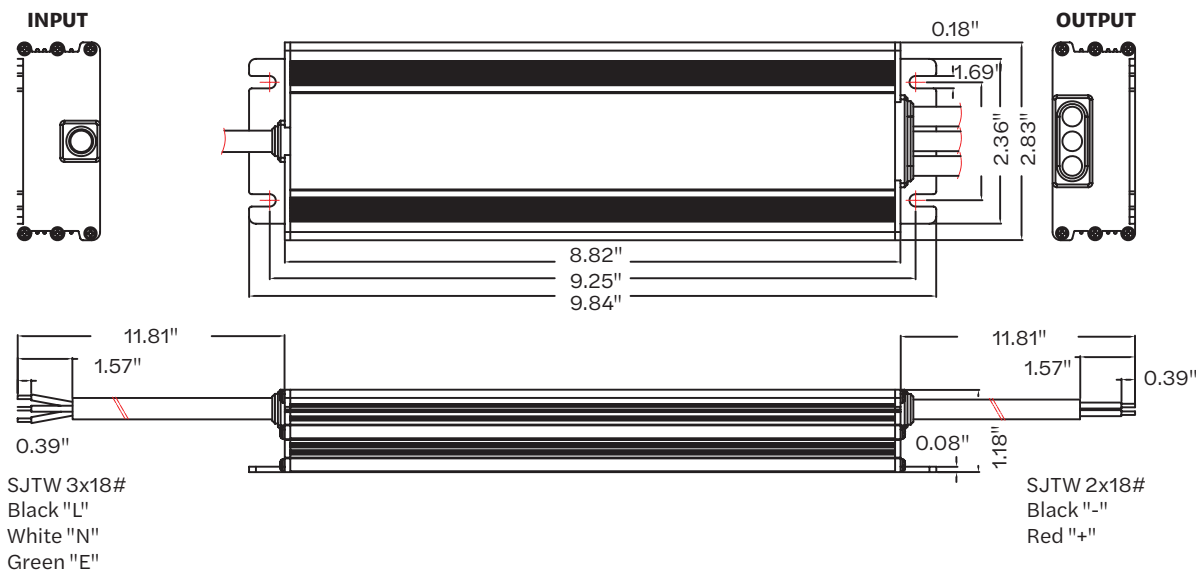
UL Retrofit Kit Classified

Environmental

Operating temperature.....-40 $^{\circ}$ ~+50 $^{\circ}$ C
 Storage temperature.....-40 $^{\circ}$ ~+85 $^{\circ}$ C
 Relative humidity.....20~95% RH, non-cond.
 Vibration.....10 ~ 500HZ, 5G, 30 minutes
 (for X, Y, Z each axis)



Dimensions



Specifications subject to change without notice.

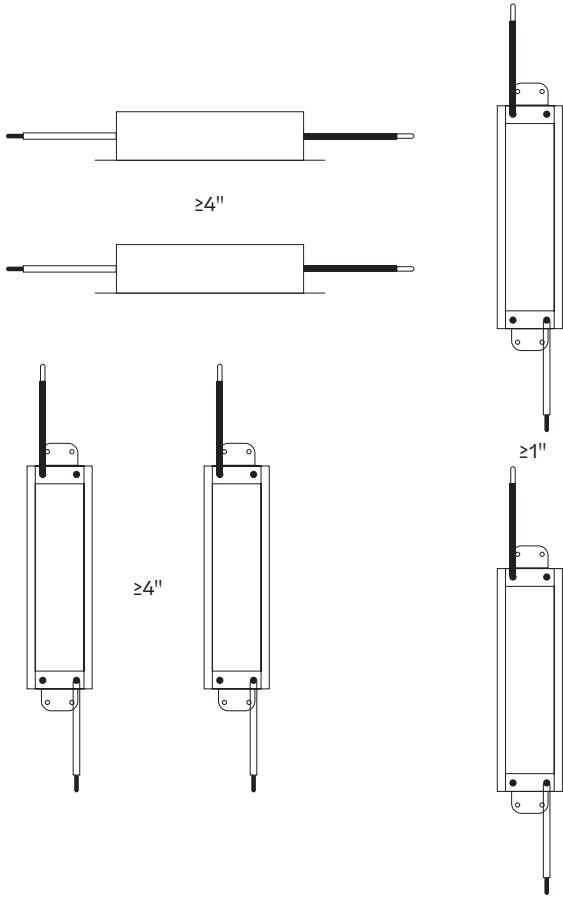


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Spacing Between Power Supplies



- 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°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.

