

SUPERIOR POWER SUPPLIES



Superior Series

12VDC Specifications

Overview

SKU	H60W-SD-12	H120W-SD-12	H180W-SD-12
Warranty	10-year product/ 5-year limited labor	10-year product/ 5-year limited labor	10-year product/ 5-year limited labor
Certifications	UL, CE, ENC, FCC	UL, CE, ENC, FCC	UL, CE, ENC, FCC

Performance

Input voltage	100~277VAC	100~277VAC	100~277VAC
Input frequency	50~60 Hz	50~60 Hz	50~60 Hz
Input current	0.8A/110VAC 0.3A/277VAC	1.4A/115VAC 0.5A/277VAC	2.0A/110VAC 0.8A/277VAC
Power factor	≥ 0.95	≥ 0.95	≥ 0.92
Output voltage	DC 12V ±2.5%	DC 12V ±4%	DC 12V ±2.5%
Output current	5.0 A	5.0 A 5.0 A	5.0 A
Output power	60W	60W 60W	180W

Safety & Protection

Protective characteristics	Over-current/short-circuit/ over-voltage/ over-temperature	Over-current/short-circuit/ over-voltage/ over-temperature	Over-current/short-circuit/ over-voltage/ over-temperature
IP rating	IP68	IP68	IP68

Environmental

UL environment suitability	Damp, dry, and wet	Damp, dry, and wet	Damp, dry, and wet
Operating temperature	-40°~+60° C	-40°~+60° C	-40°~+50° C
Storage temperature	-40°~+85° C	-40°~+85° C	-40°~+85° C
Relative humidity	20~95% RH, non-cond.	20~95% RH, non-cond.	20~95% RH, non-cond.



60W, 12VDC



180W, 12VDC



120W, 12VDC



Specifications subject to change without notice.

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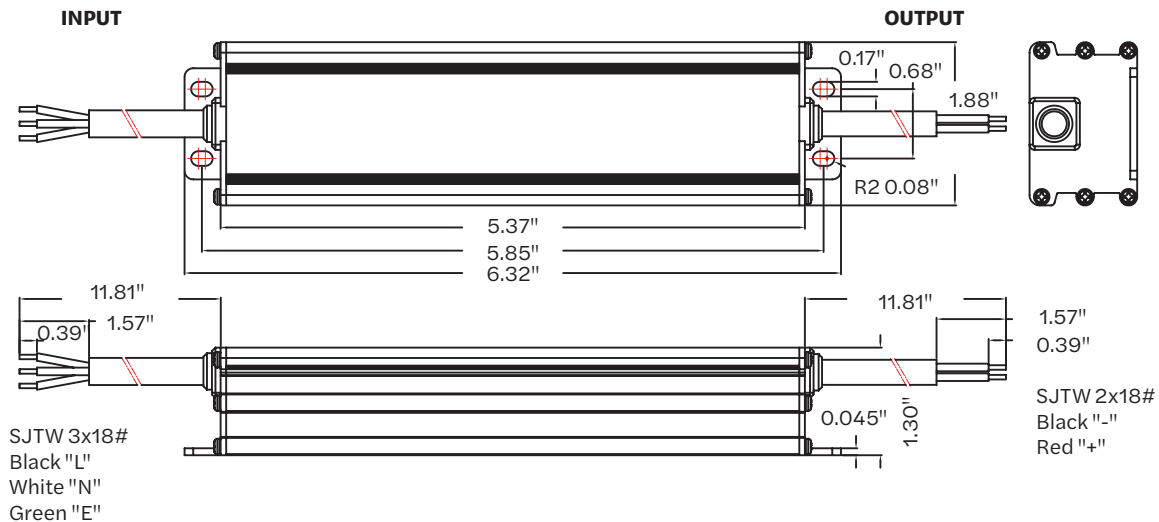
SUPERIOR POWER SUPPLIES



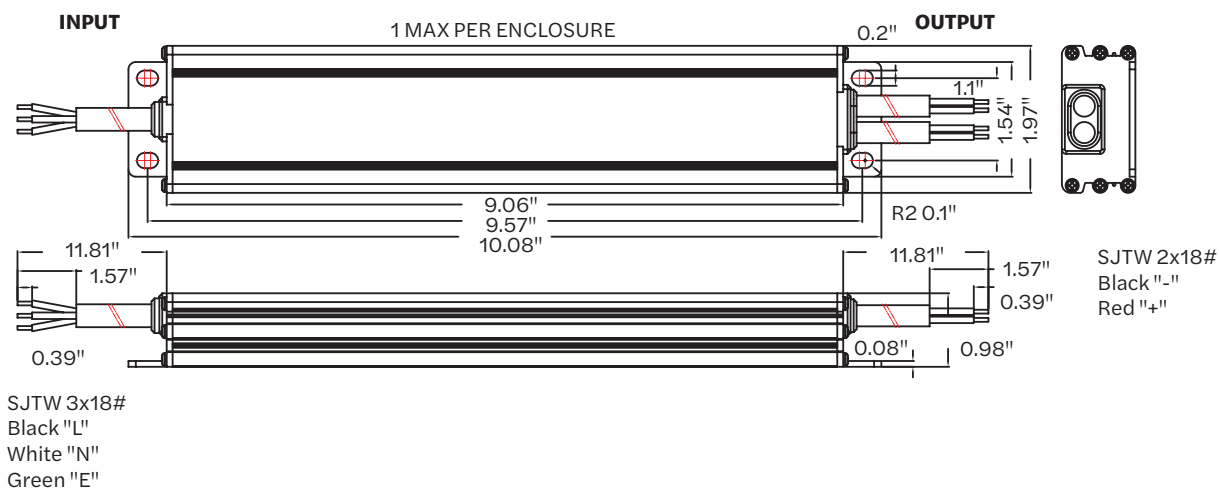
Superior Series

12VDC Dimensions

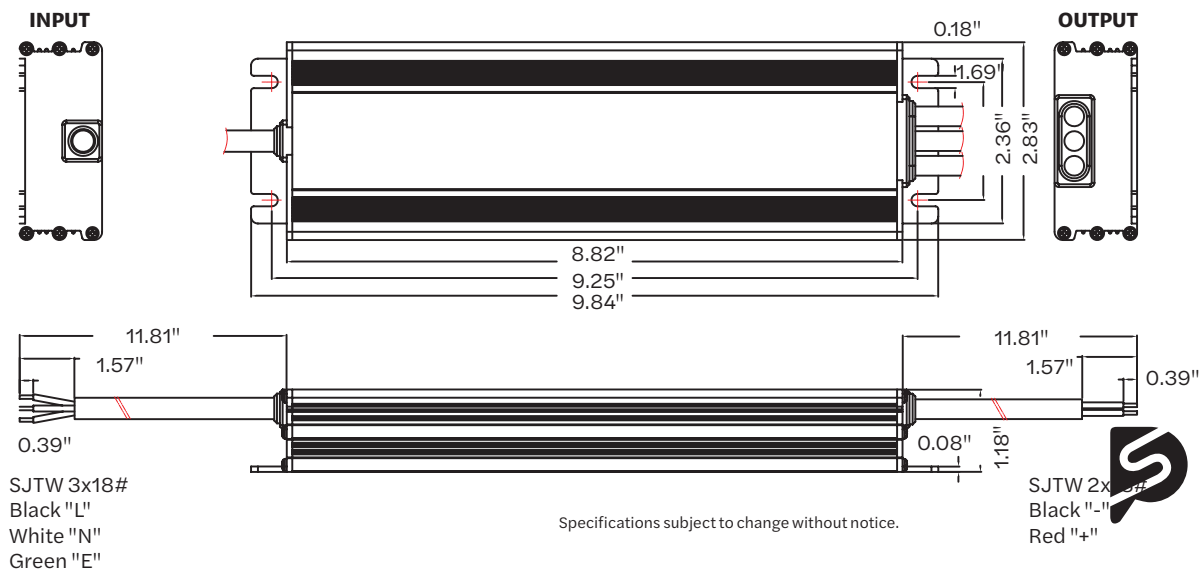
H60W-SD-12



H120W-SD-12



H180W-SD-12



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SUPERIOR POWER SUPPLIES



Superior Series

Product Update: Select **Superior Series Power Supplies** are transitioning to replacement models with updated SKUs. Current models will remain available while inventory lasts, where indicated. Additional models will transition over time.

SKU Transition Guide

Current SKU	Current availability	Replacement SKU	Replacement availability
H60W-SD-24	Available while supplies last	P-OH060-24-SD	Available
H96W-SD-24	Available while supplies last	P-OH096-24-SD	Coming soon

24VDC Specifications

Current models

Replacement models

Overview

SKU	H60W-SD-24	H96W-SD-24	P-OH060-24-SD	P-OH096-24-SD
Warranty	10-year product/ 5-year limited labor	10-year product/ 5-year limited labor	10-year product/ 5-year limited labor	10-year product/ 5-year limited labor
Certifications	UL, CE, ENC, FCC	UL, CE, ENC, FCC	UL, CE, ENC, FCC	UL, CE, ENC, FCC

Performance

Input voltage	100~277VAC	100~277VAC	100~277VAC	100~277VAC
Input frequency	50~60 Hz	50~60 Hz	50~60 Hz	50~60 Hz
Input current	0.8A/110VAC 0.3A/277VAC	1.00A/115VAC 0.45A/277VAC	0.610A/120VAC 0.316A/277VAC	1.04A/115VAC 0.442A/277VAC
Power factor	≥ 0.90	≥ 0.93	≥ 0.90	≥ 0.90
Output voltage	DC 24V ±2.5%	DC 24V ±2.5%	DC 24V ±2.5%	DC 24V ±2.5%
Output current	2.5 A	4.0 A	2.5 A	4.0 A
Output power	60W	96W	60W	96W

Safety & Protection

Protective characteristics	Over-current/ short-circuit/ over-voltage/ over-temperature	Over-current/ short-circuit/ over-voltage/ over-temperature	Over-current/ short-circuit/ over-voltage/ over-temperature	Over-current/ short-circuit/ over-voltage/ over-temperature
IP rating	IP68	IP68	IP68	IP68

Environmental

UL environment suitability	Damp, dry, and wet	Damp, dry, and wet	Damp, dry, and wet	Damp, dry, and wet
Operating temperature	-40°~+60° C	-40°~+60° C	-40°~+60° C	-40°~+60° C
Storage temperature	-40°~+85° C	-40°~+85° C	-40°~+80° C	-40°~+80° C
Relative humidity	20~95% RH, non-cond.	20~95% RH, non-cond.	20~95% RH, non-cond.	20~95% RH, non-cond.

**60W, 24VDC
(Current)**



**60W, 24VDC
(Replacement)**



**96W, 24VDC
(Current)**



**96W, 24VDC
(Replacement)**



Specifications subject to change without notice.

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SUPERIOR POWER SUPPLIES



Superior Series

24VDC Specifications

Current models (cont.)

Overview

SKU	H192W-SD-24	H288W-SD-24
Warranty	10-year product/ 5-year limited labor	10-year product/ 5-year limited labor
Certifications	UL, CE, ENC, FCC	UL, CE, ENC, FCC
Performance		
Input voltage	100~277VAC	100~277VAC
Input frequency	50~60 Hz	50~60 Hz
Input current	2.0A/115VAC 0.8A/277VAC	3.0A/110VAC 1.2A/277VAC
Power factor	≥ 0.99@115VAC	≤.92%
Output voltage	DC 24V ±2.5%	DC 24V ±2.5%
Output current	4.0 A x 2	3.9 A
Output power	192W	288W (96 per leg)
Safety & Protection		
Protective characteristics	Over-current/ short-circuit/ over-voltage/ over-temperature	Over-current/ short-circuit/ over-voltage/ over-temperature
IP rating	IP68	IP68
Environmental		
UL environment suitability	Damp, dry, and wet	Damp, dry, and wet
Operating temperature	-40°~+60° C	-40°~+50° C
Storage temperature	-40°~+80° C	-40°~+80° C
Relative humidity	20~95% RH, non-cond.	20~95% RH, non-cond.

192W, 24VDC



288W, 24VDC



Specifications subject to change without notice.

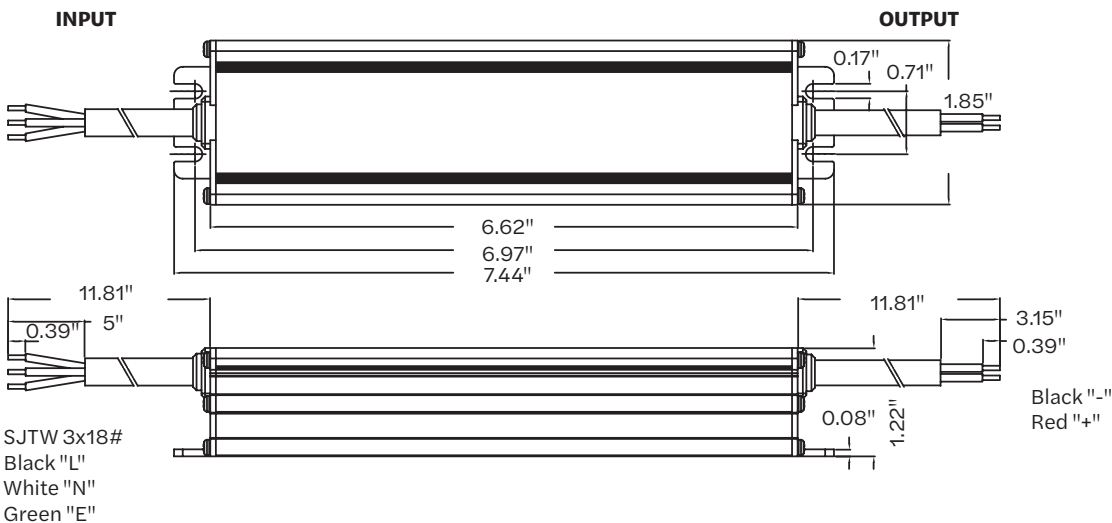
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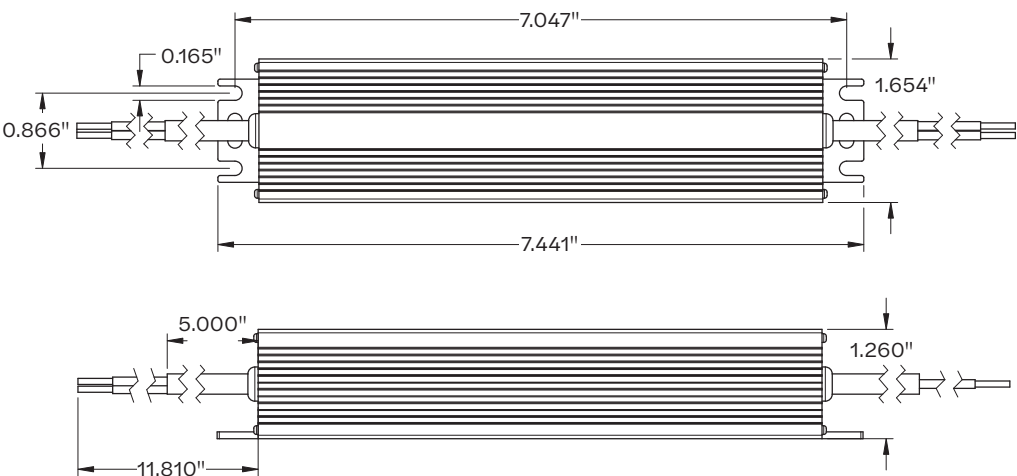
Superior Series

24VDC Dimensions

H60W-SD-24 (Current model)



P-OH060-24-SD (Replacement model)



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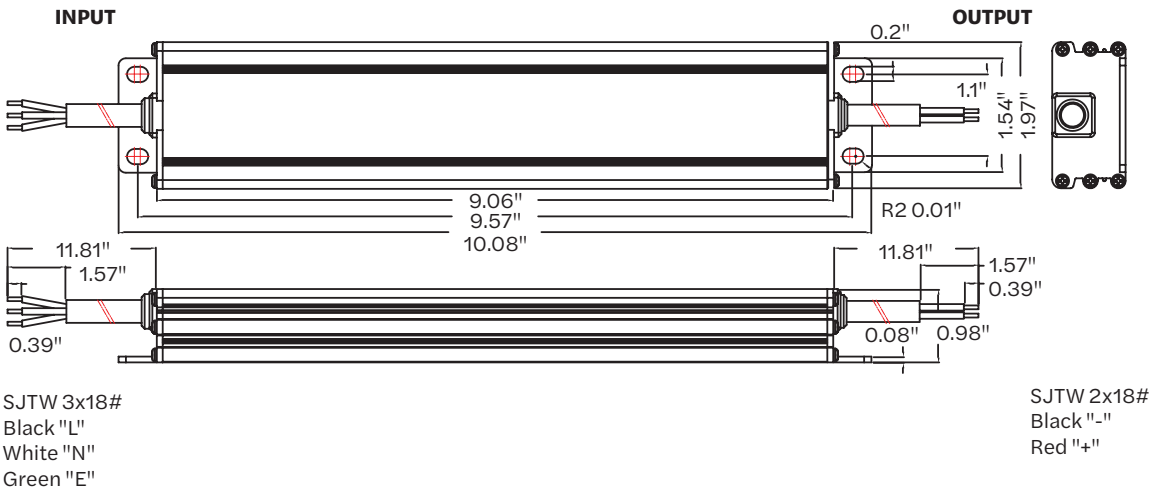
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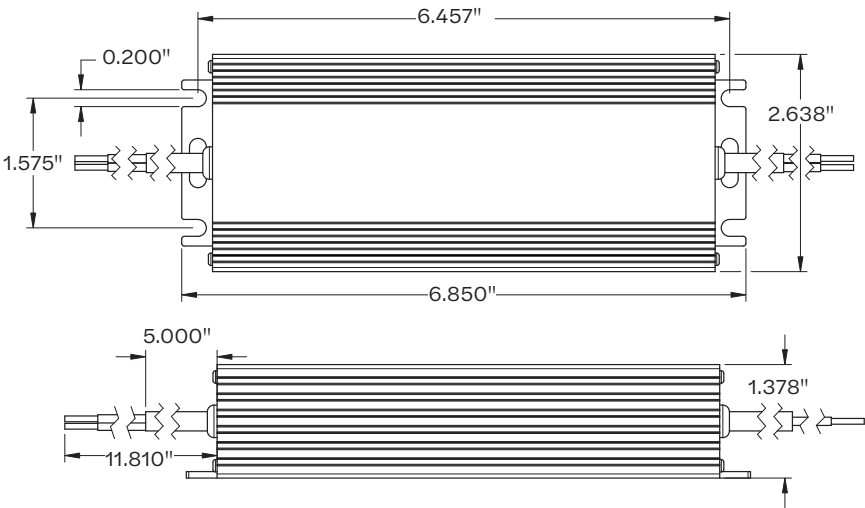
Superior Series

24VDC Dimensions

H96W-SD-24 (Current model)



P-OH096-24-SD (Replacement model)



Specifications subject to change without notice.

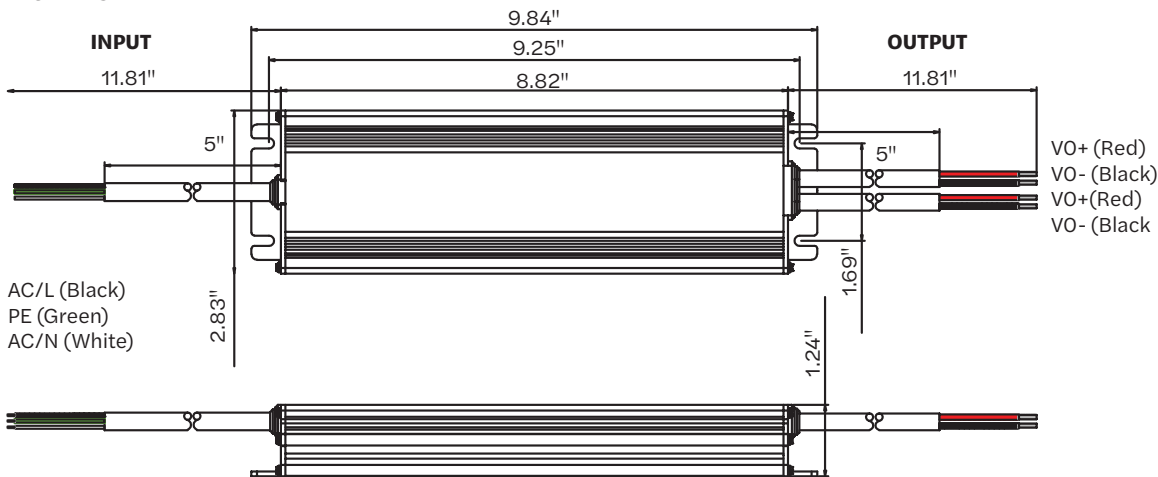
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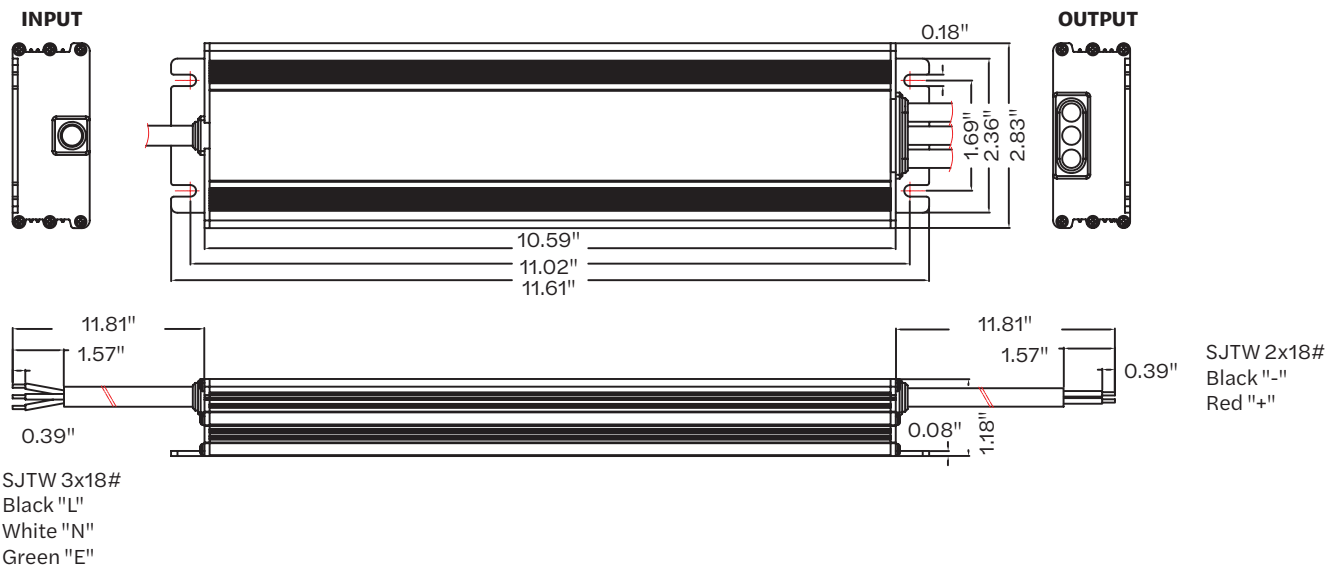
Superior Series

24VDC Dimensions

H192W-SD-24



H288W-SD-24



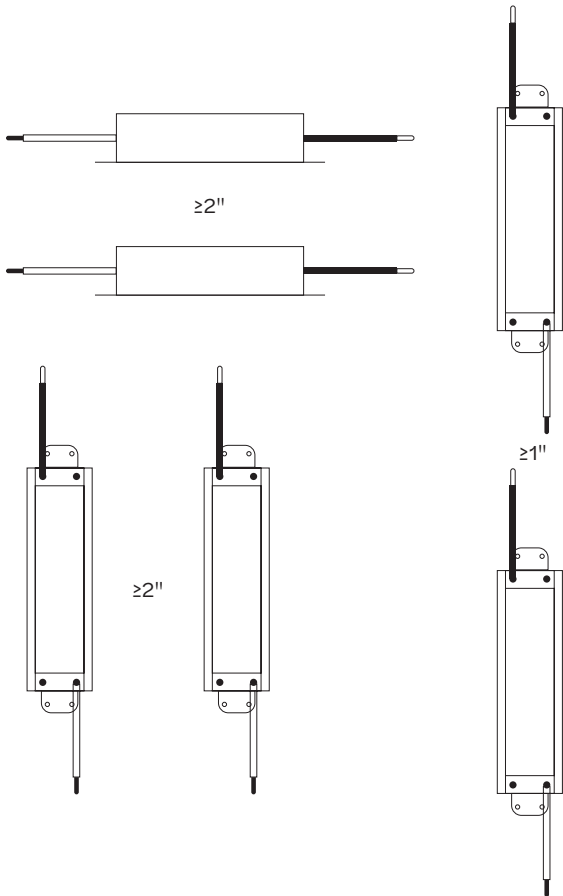
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SUPERIOR POWER SUPPLIES



Superior Series

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 +60° 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.

Recommended drivers per enclosure:

60 W = 2 max
100 W = 1 max
96 W = 1 max
120 W = 1 max
150 W = 1 max
180 W = 1 max
192 W = 1 max
240 W = 1 max

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