

WARNING

Before beginning installation,
confirm your power supply model.

MODELS SP-150-12 OR SP-320-12

Instructions begin on Page 1

MODELS CLG-100-12

Instructions begin on Page 17



G3i

GAS PRICE CHANGER POWER SUPPLY WIRING GUIDE

6" / 8" / 12" / 16" / 18" / 24" / 30" / 36"

INSTALLER NOTICE:

Pro-Lite is not responsible for the wiring of the Gas Price sign, installer must reference UL SAM manual for installation requirements. Pro-Lite can only recommend which Class 2 Power Supply to use and cautions you, the installer, which type of wiring is NOT allowed by UL. Please reference UL SAM manual for proper wiring instructions. The power supplies shown in this manual are for reference only.

SP - TABLE OF CONTENTS

READ ME FIRST – DO’S AND DON’TS	2
SP-SECTION 1 – SAFETY NOTES	3
SP-SECTION 2 – POWER SUPPLY	4
SPECIFICATIONS – SP-150-12 .....	.4
SPECIFICATIONS – SP-320-12 .....	.5
MOUNTING REQUIREMENTS .....	.6
CONFIGURATION NOTES .....	.7
SP-SECTION 3 –USAGE CHART	8
SP-SECTION 4 – CONFIGURATIONS	9
6”/8”/12” – SINGLE SIDED CONFIGURATION .....	.9
6”/8”/12” – DOUBLE SIDED CONFIGURATION .....	.10
16”/18”/24” – SINGLE SIDED CONFIGURATION .....	.11
16”/18”/24” – DOUBLE SIDED CONFIGURATION .....	.12
30”/36” – SINGLE SIDED CONFIGURATION .....	.13
30”/36” – DOUBLE SIDED CONFIGURATION .....	.14
SP-SECTION 5 – POWER SUPPLY AC CONNECTIONS	15
SP-SECTION 6 – COMPLETION	16
PRODUCT WARRANTY	33

READ ME FIRST

DO'S AND DON'TS

DON'TS

- Do not cut into the Gas Pricer PCB at any point.
- Do not drill into the Gas Pricer PCB.
- Do not cut/modify any part of the Gas Pricer extrusion.
- Do not cut/modify any part of the Gas Pricer mounting brackets.
- Do not use any other power supply type to power the Gas Pricer units other than the ones supplied.
- Do not use the provided power supplies to power any other lighting in the sign cabinet.
- Do not install the provided power supplies lower than 2" from the bottom of the cabinet.
- Do not touch the Gas Pricer LED bulbs during installation.
- Do not install the provided power supplies more than 15 feet away from the Gas Pricer units.

DO'S

- Do mount the provided power supplies in the lower half of the cabinet at least 2" from bottom.
- Do handle the Gas Pricer units by the corners.
- Do install forced or passive venting to keep the cabinet temperature below 160° F.
- Do make sure there is no exterior water dripping into the cabinet
- Do make sure that the brightness level setting of the Gas Pricer units are set to 1.

READ INSTRUCTIONS

- Make sure you read and understand all instructions.
- Retain instructions for future reference.
- Follow all warnings and instructions indicated in this wiring guide including those marked on the product.

BEFORE WIRING

- During installation do not allow the AC power to be connected inadvertently.

DURING OPERATION

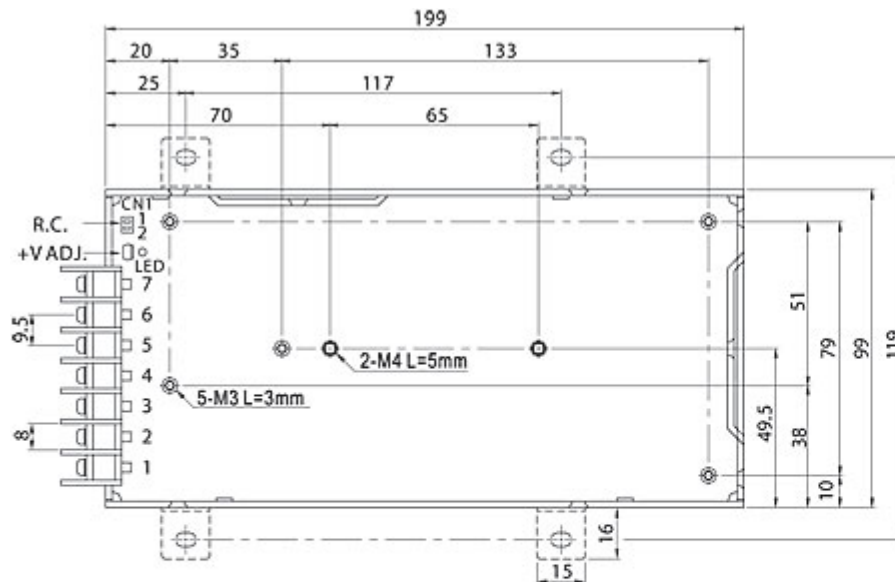
- Keep dry and away from damp or wet environments.
- Do not make modifications while in operation. Risk of electrical shock can cause serious injury.

SP - SECTION 2

POWER SUPPLY - SPECIFICATIONS [SP-150-12]



Model: SP-150-12
 AC Voltage Input : 110 ~ 120VAC
 AC Amperage : 2.5A
 DC Voltage Output : 12VDC



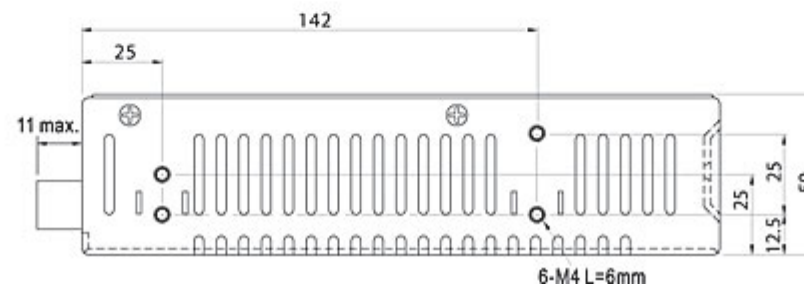
UNITS: MM

Terminal Pin No. Assignment

Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4,5	DC OUTPUT -V
2	AC/N	6,7	DC OUTPUT +V
3	FG		

Remote ON/OFF (CN1): JST S2B-XH or equivalent (optional)

Pin No.	Assignment	Mating Housing	Terminal
1	RC+	JST XHP or equivalent	JST SXH-001T-P0.6 or equivalent
2	RC-		

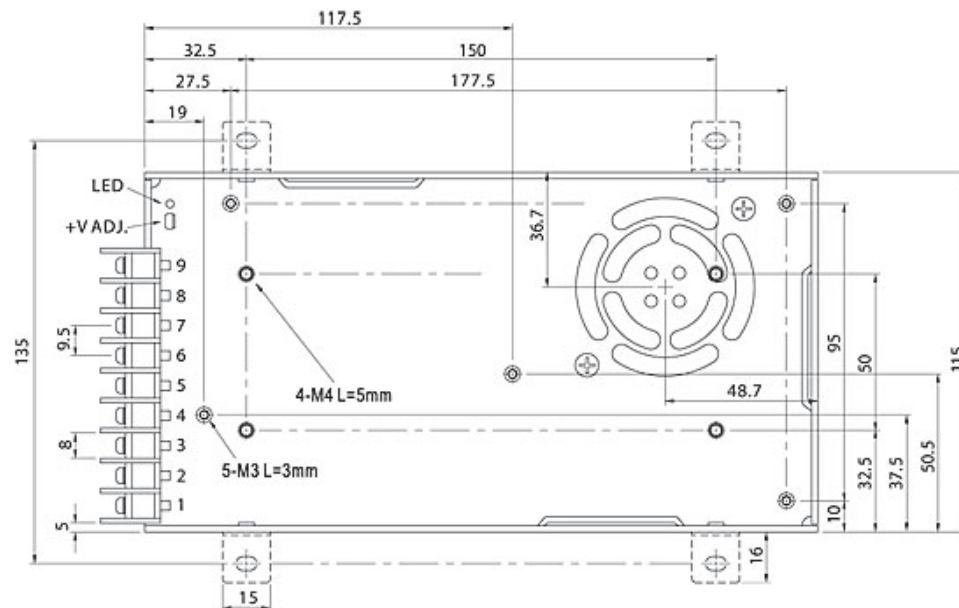


SP - SECTION 2

POWER SUPPLY - SPECIFICATIONS [SP-320-12]



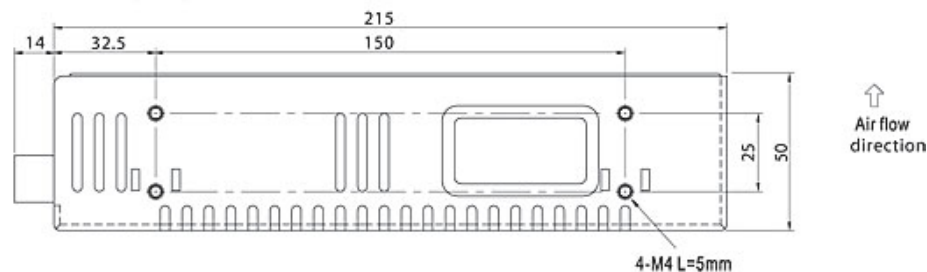
Model: SP-320-12
 AC Voltage Input : 110 ~ 120VAC
 AC Amperage : 5A
 DC Voltage Output : 12VDC



UNITS: MM

Terminal pin number assignment :

Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4~6	DC OUTPUT -V
2	AC/N	7~9	DC OUTPUT +V
3	FG \perp		



REQUIREMENTS

1) TEMPERATURE

- a. Operational temperature range: -25°C to 70°C. (-13°F to 160°F)
- b. Forced or passive venting is required on all installations to keep the cabinet temperature below 160°F.

2) LOCATION

- a. Mount power supplies in the lower half of the cabinet.
- b. In compliance with UL 48, keep power supplies at least 2” from the bottom of the cabinet.

3) SPACING


- a. 4” spacing between each power supply or in accordance with SAM manual.
- b. 24” away from any transformer or AC power source.
- c. No farther than 15 feet away from Sign.

4) CIRCUIT

- a. Do not share the power source with any neon or other fixtures which employs a flasher on the same circuit.

5) PROTECTION

- a. A Water Cover must be installed 1~2” on top of SP Power Supplies to prevent any water from dripping into the Power Supplies.

 **NOTE:** ALWAYS double check your connections before going to the next step.

Any installation not in accordance to Pro-Lite requirements will void the Warranty.

SP - SECTION 2

POWER SUPPLY – CONFIGURATION NOTES

GAS PRICER SIGN SIZE DETERMINES WHICH SP POWER SUPPLY TO USE

SP-150-12

For use with sign sizes 6", 8", and 12".



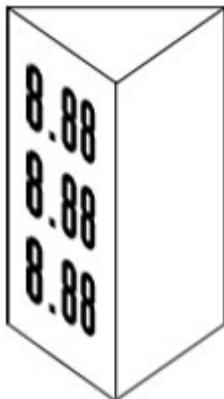
SP-320-12

For use with sign sizes 16", 18", 24", 30", and 36".

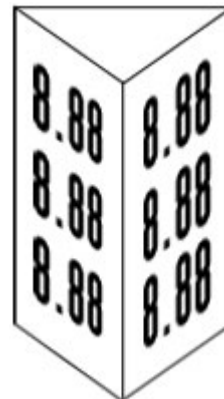


PLEASE NOTE YOUR APPLICATION TYPE BELOW AND REFER TO USAGE CHART IN SP-SECTION 3

Single-Sided



Double-Sided



SP - SECTION 3

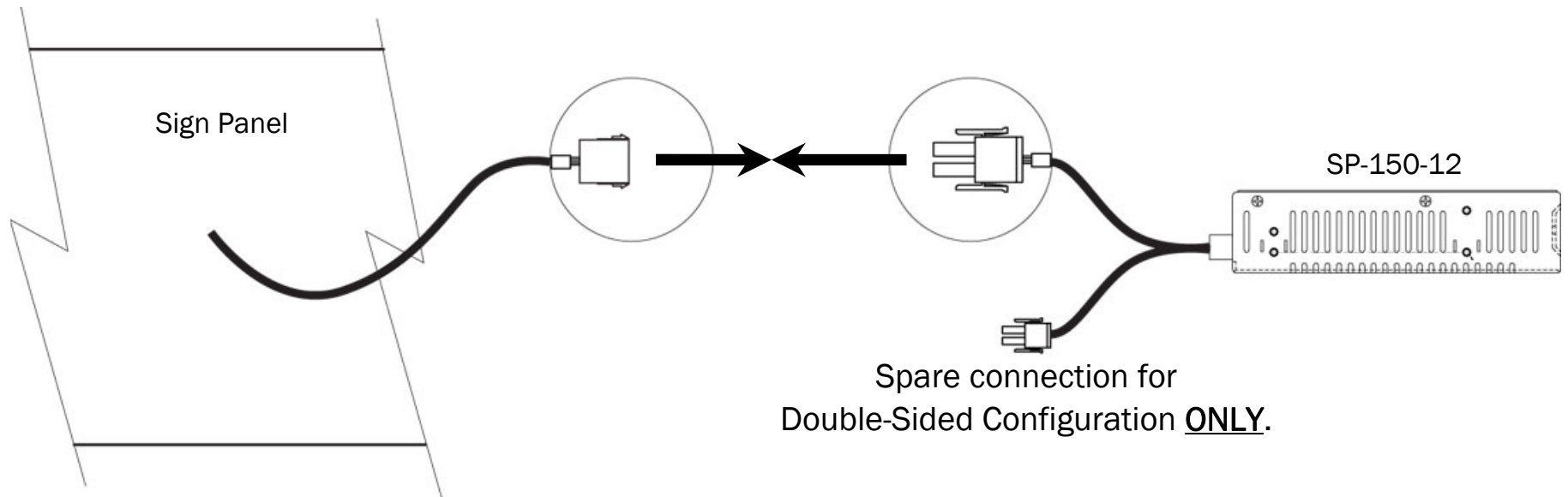
USAGE CHART


Make sure you received the correct SP power supply quantities for your application.

Gas Pricer Sign Size	SINGLE SIDED		DOUBLE SIDED	
	SP-150-12	SP-320-12	SP-150-12	SP-320-12
6"	1	0	1	0
8"	1	0	1	0
12"	1	0	1	0
16"	0	1	0	1
18"	0	1	0	1
24"	0	1	0	1
30"	0	1	0	2
36"	0	1	0	2

SP - SECTION 4

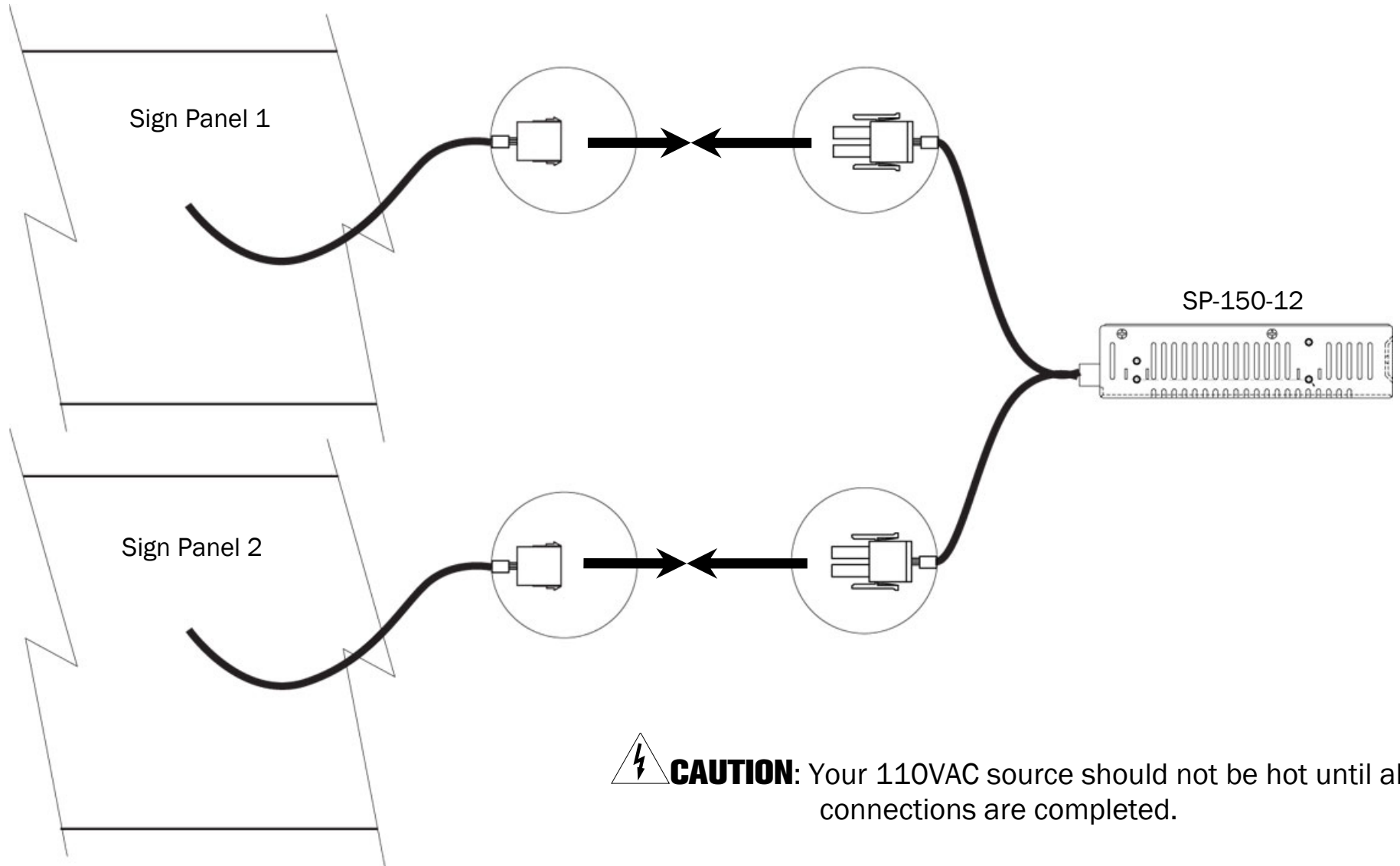
6"/ 8"/ 12" - SINGLE SIDED CONFIGURATION



 **CAUTION:** Your 110VAC source should not be hot until all connections are completed.

SP - SECTION 4

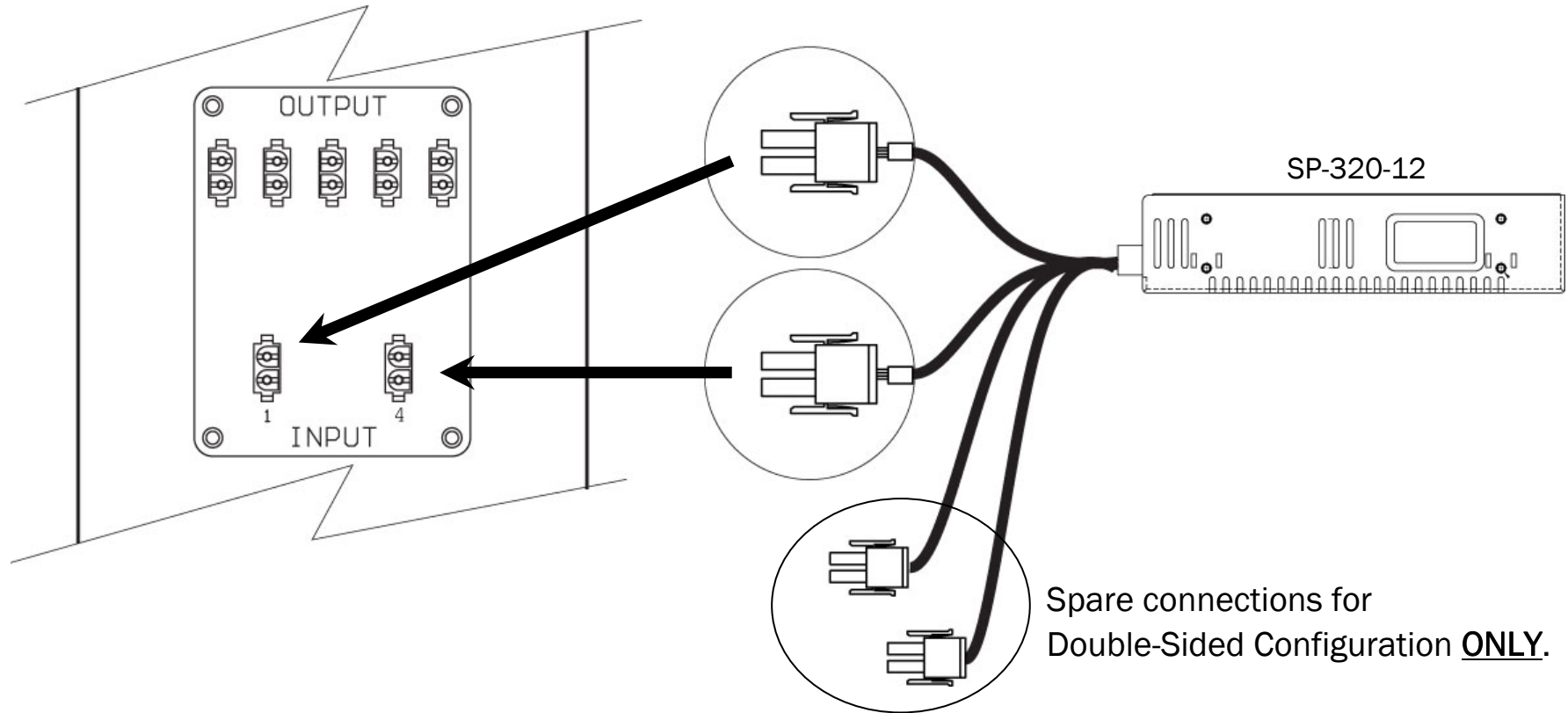
6"/ 8"/ 12"- DOUBLE SIDED CONFIGURATION



SP - SECTION 4

16"/ 18"/ 24" - SINGLE SIDED CONFIGURATION

Decimal Panel

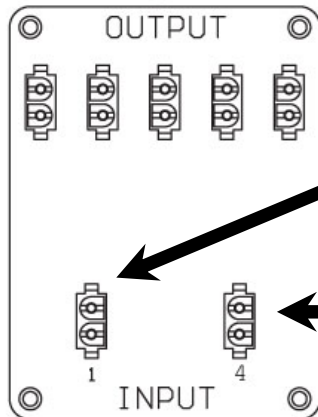


CAUTION: Your 110VAC source should not be hot until all connections are completed.

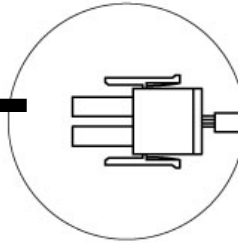
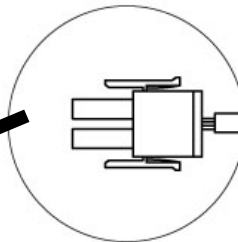
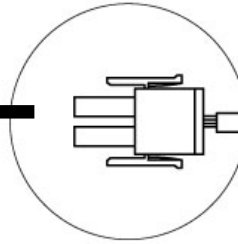
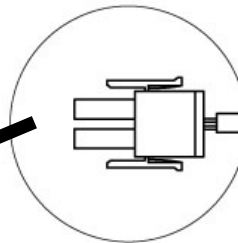
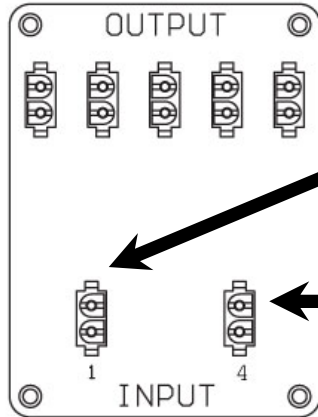
SP - SECTION 4

16"/ 18"/ 24" - DOUBLE SIDED CONFIGURATION

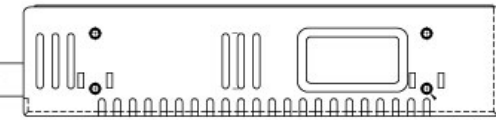
Decimal Panel 1



Decimal Panel 2



SP-320-12

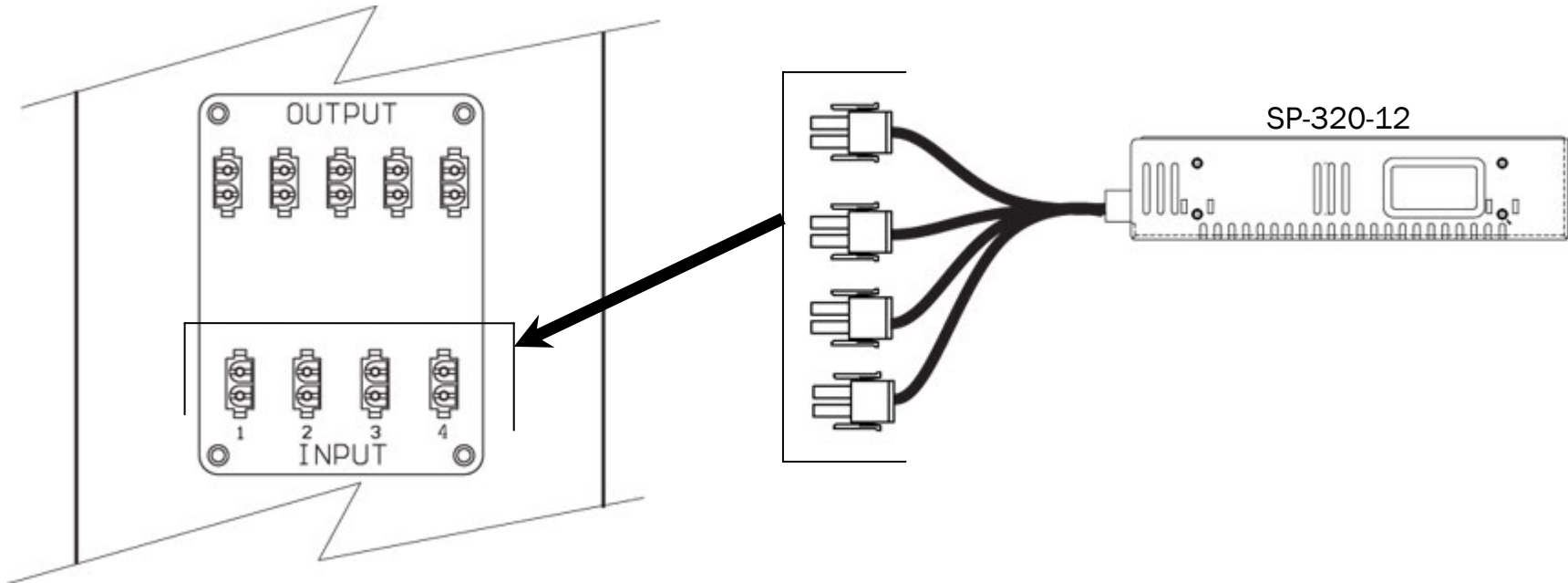


CAUTION: Your 110VAC source should not be hot until all connections are completed.

SP - SECTION 4

30"/ 36" - SINGLE SIDED CONFIGURATION

Decimal Panel

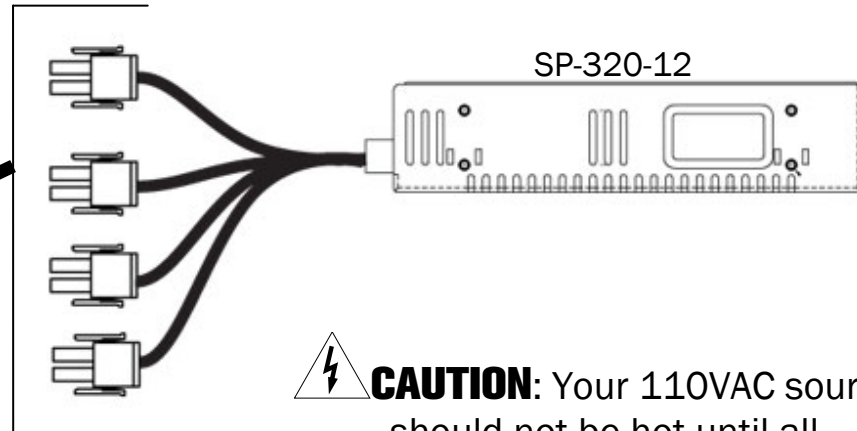
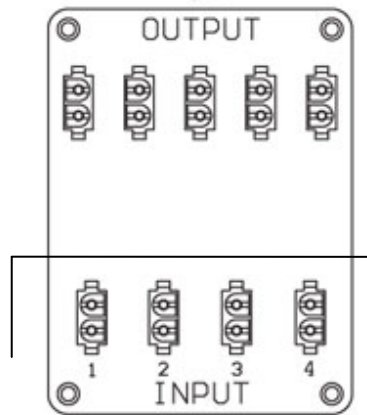



CAUTION: Your 110VAC source should not be hot until all connections are completed.

SP - SECTION 4

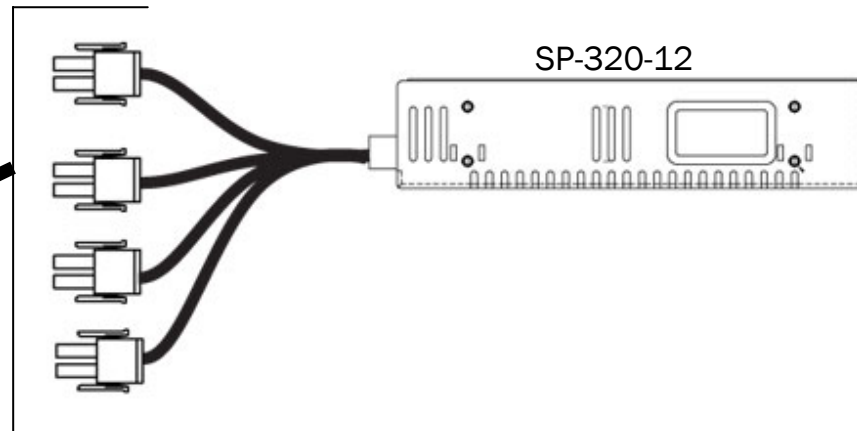
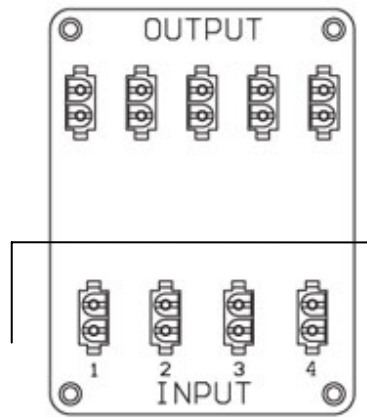
30"/ 36" - DOUBLE SIDED CONFIGURATION

Decimal Panel 1



 **CAUTION:** Your 110VAC source should not be hot until all connections are completed.

Decimal Panel 2

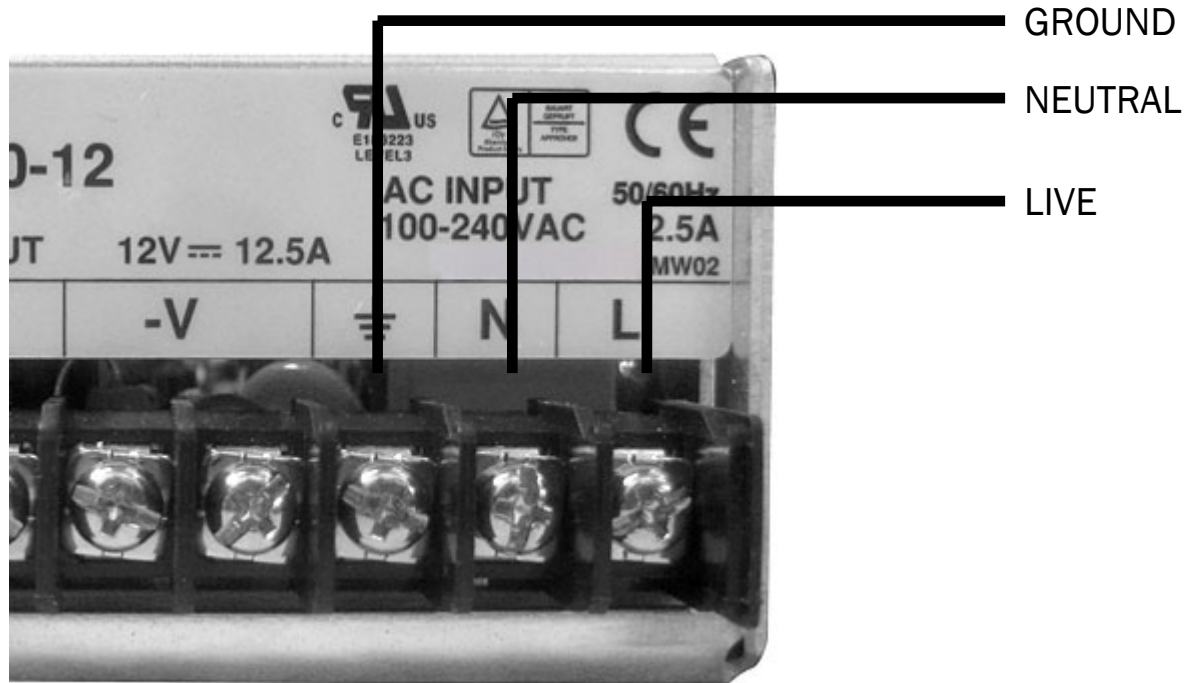


SP - SECTION 5

POWER SUPPLY AC CONNECTIONS

AC cable must be provided by installer. Use only appropriate gauge cable for the installation application as stated in the SAM manual.

AC wiring is identical for both the SP-150-12 and SP-320-12.



CAUTION: Your 110VAC source should not be hot until all connections are completed.

SP - SECTION 6

COMPLETION

Please go through the following checklist before powering up the power supply(s).

- The installation meets the requirements in Section 2.
- Make sure all connections to the terminal blocks are secure (potential danger of short circuit).
- Label your AC and DC wiring accordingly so that any service personnel can identify them easily.
- Do not make modifications while in operation. Risk of electrical shock can be fatal.

Any Questions? Call Us.
1-800-223-9223 x115

CLG - TABLE OF CONTENTS

READ ME FIRST – DO’S AND DON’TS	17
CLG-SECTION 1 – SAFETY NOTES	18
CLG-SECTION 2 – POWER SUPPLY	19
SPECIFICATIONS – CLG-100-12 .....	.19
MOUNTING REQUIREMENTS .....	.20
CONFIGURATION NOTES .....	.21
CLG-SECTION 3 –USAGE CHART	22
CLG-SECTION 4 – CONFIGURATIONS	23
6” – SINGLE SIDED CONFIGURATION .....	.23
6” – DOUBLE SIDED CONFIGURATION .....	.24
8”/12” – SINGLE SIDED CONFIGURATION .....	.25
8”/12” – DOUBLE SIDED CONFIGURATION .....	.26
16”/18”/24” – SINGLE SIDED CONFIGURATION .....	.27
16”/18”/24” – DOUBLE SIDED CONFIGURATION .....	.28
30” – SINGLE SIDED CONFIGURATION .....	.29
30” – DOUBLE SIDED CONFIGURATION .....	.30
CLG-SECTION 5 – POWER SUPPLY AC CONNECTIONS	31
CLG-SECTION 6 – COMPLETION	32
PRODUCT WARRANTY	33

READ ME FIRST

DO'S AND DON'TS

DON'TS

- Do not cut into the Gas Pricer PCB at any point.
- Do not drill into the Gas Pricer PCB.
- Do not cut/modify any part of the Gas Pricer extrusion.
- Do not cut/modify any part of the Gas Pricer mounting brackets.
- Do not use any other power supply type to power the Gas Pricer units other than the ones supplied.
- Do not use the provided power supplies to power any other lighting in the sign cabinet.
- Do not install the provided power supplies lower than 2" from the bottom of the cabinet.
- Do not touch the Gas Pricer LED bulbs during installation.
- Do not install the provided power supplies more than 15 feet away from the Gas Pricer units.

DO'S

- Do mount the provided power supplies in the lower half of the cabinet at least 2" from bottom.
- Do handle the Gas Pricer units by the corners.
- Do install forced or passive venting to keep the cabinet temperature below 160° F.
- Do make sure there is no exterior water dripping into the cabinet
- Do make sure that the brightness level setting of the Gas Pricer units are set to 1.

CLG - SECTION 1 SAFETY NOTES

READ INSTRUCTIONS

- Make sure you read and understand all instructions.
- Retain instructions for future reference.
- Follow all warnings and instructions indicated in this wiring guide including those marked on the product.

BEFORE WIRING

- During installation do not allow the AC power to be connected inadvertently.

DURING OPERATION

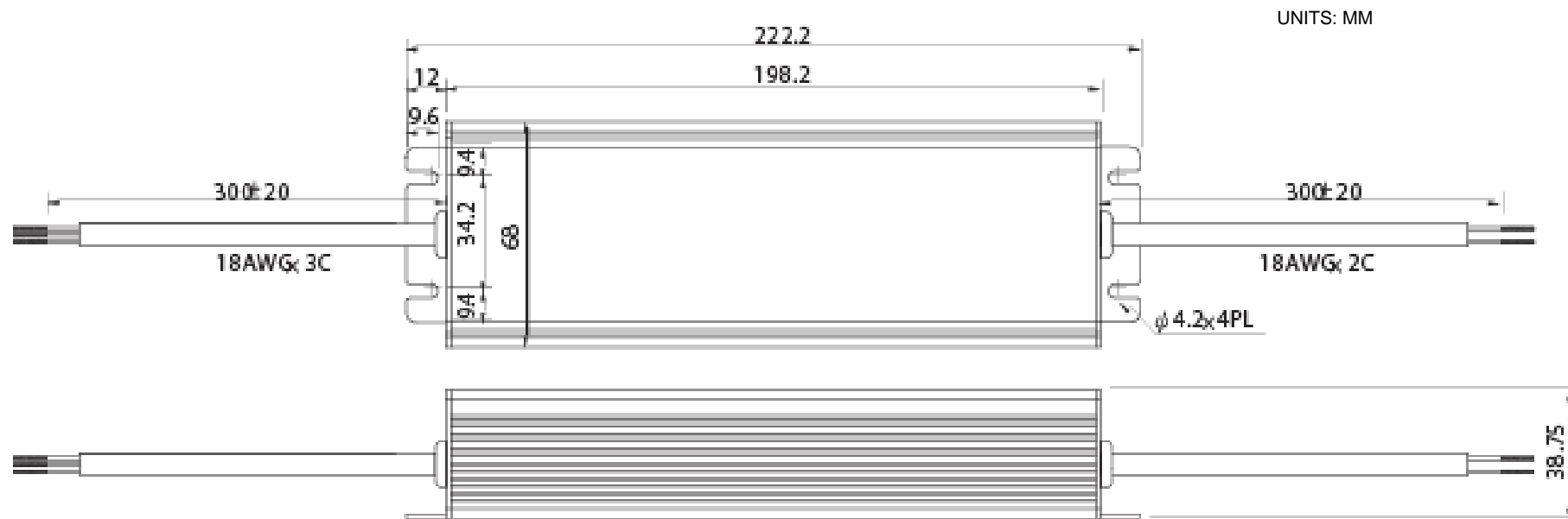
- Keep dry and away from damp or wet environments.
- Do not make modifications while in operation. Risk of electrical shock can cause serious injury.

CLG - SECTION 2

POWER SUPPLY – SPECIFICATIONS [CLG-100-12]



Model: CLG100-12
AC Voltage Input : 110 ~ 120VAC
AC Amperage : 0.8A
DC Voltage Output : 12VDC



REQUIREMENTS

1) TEMPERATURE

- b. Operational temperature range: -25°C to 70°C. (-13°F to 160°F)
- a. Forced or passive venting is required on all installations to keep the cabinet temperature below 160°F.

2) LOCATION


- c. Mount power supplies in the lower half of the cabinet.
- a. In compliance with UL 48, keep power supplies at least 2” from the bottom of the cabinet.

3) SPACING

- a. 4” spacing between each power supply or in accordance with SAM manual.
- b. 24” away from any transformer or AC power source.
- c. No farther than 10 feet away from Sign.

4) CIRCUIT

- a. Do not share the power source with any neon or other fixtures which employs a flasher on the same circuit.

 **NOTE:** ALWAYS double check your connections before going to the next step.

Any installation not in accordance to Pro-Lite requirements will void the Warranty.

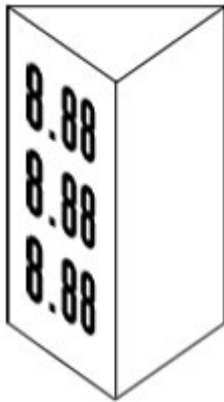
CLG - SECTION 2

POWER SUPPLY – CONFIGURATION NOTES

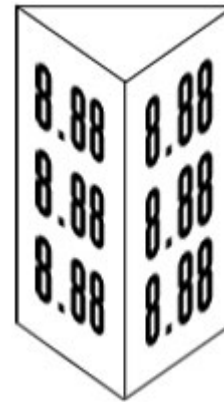
GAS PRICER SIGN SIZE DETERMINES CLG POWER SUPPLY QUANTITY TO USE

PLEASE NOTE YOUR APPLICATION TYPE BELOW AND REFER TO USAGE CHART IN CLG-SECTION 3

Single-Sided



Double-Sided

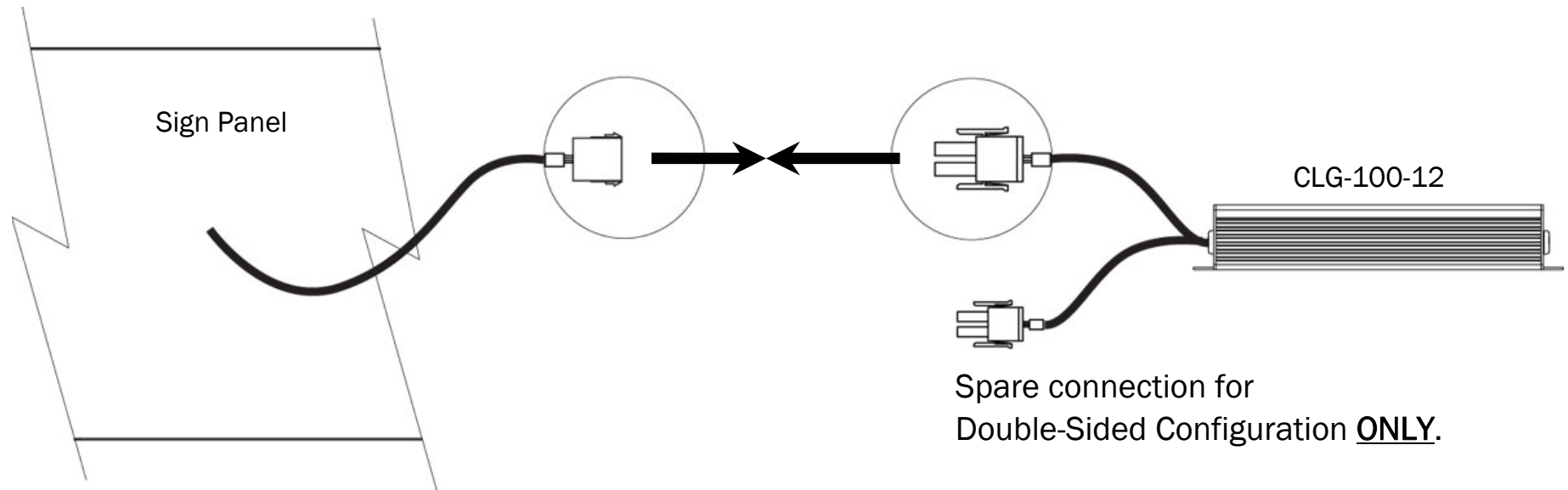



CLG - SECTION 3 USAGE CHART

Make sure you received the correct CLG power supply quantities for your application.

Gas Pricer Sign Size	CLG-100-12 SINGLE SIDED	CLG-100-12 DOUBLE SIDED
6"	1	1
8"	1	2
12"	1	2
16"	2	4
18"	2	4
24"	2	4
30"	4	8

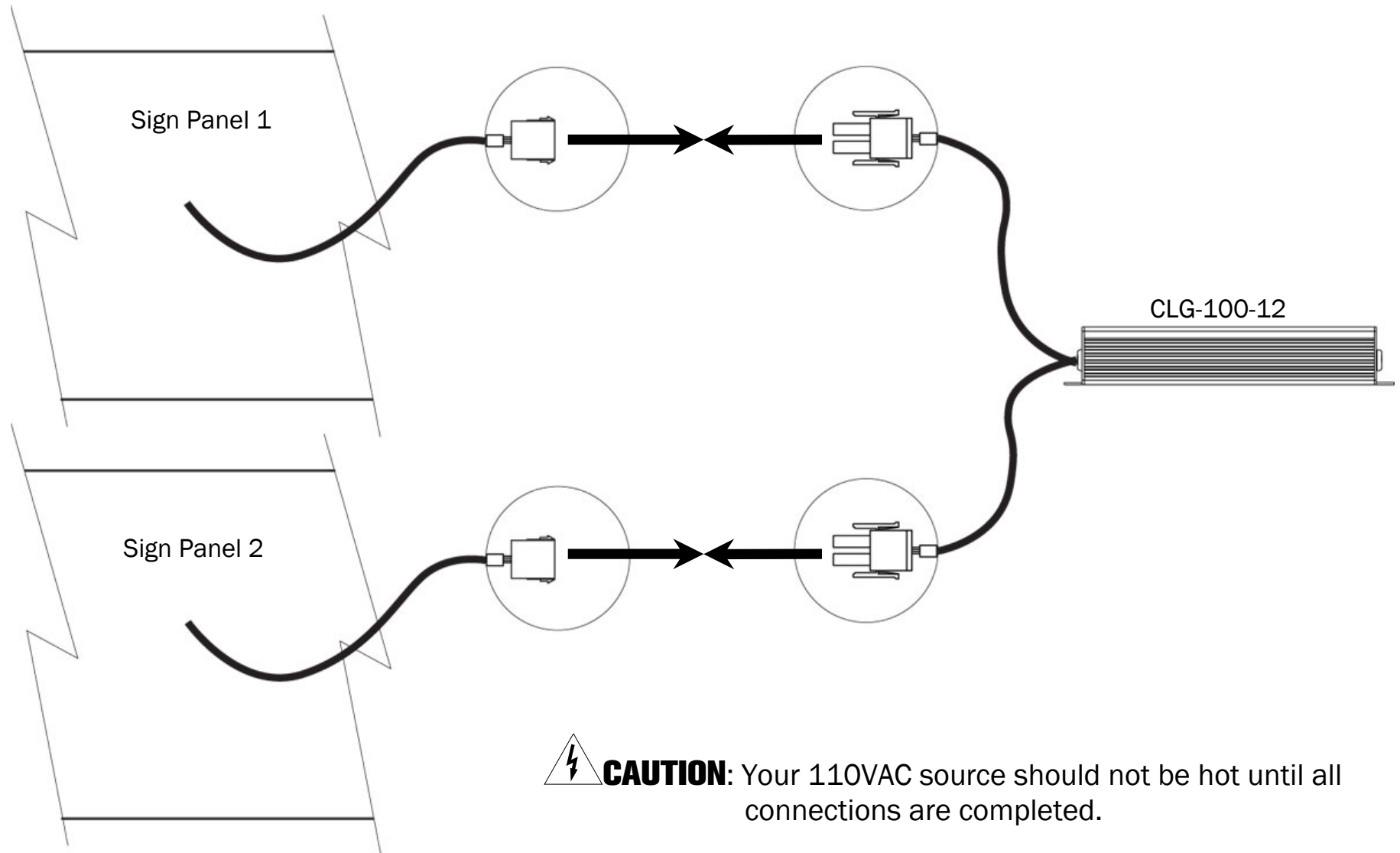
CLG - SECTION 4 6" - SINGLE SIDED CONFIGURATION



 **CAUTION:** Your 110VAC source should not be hot until all connections are completed.

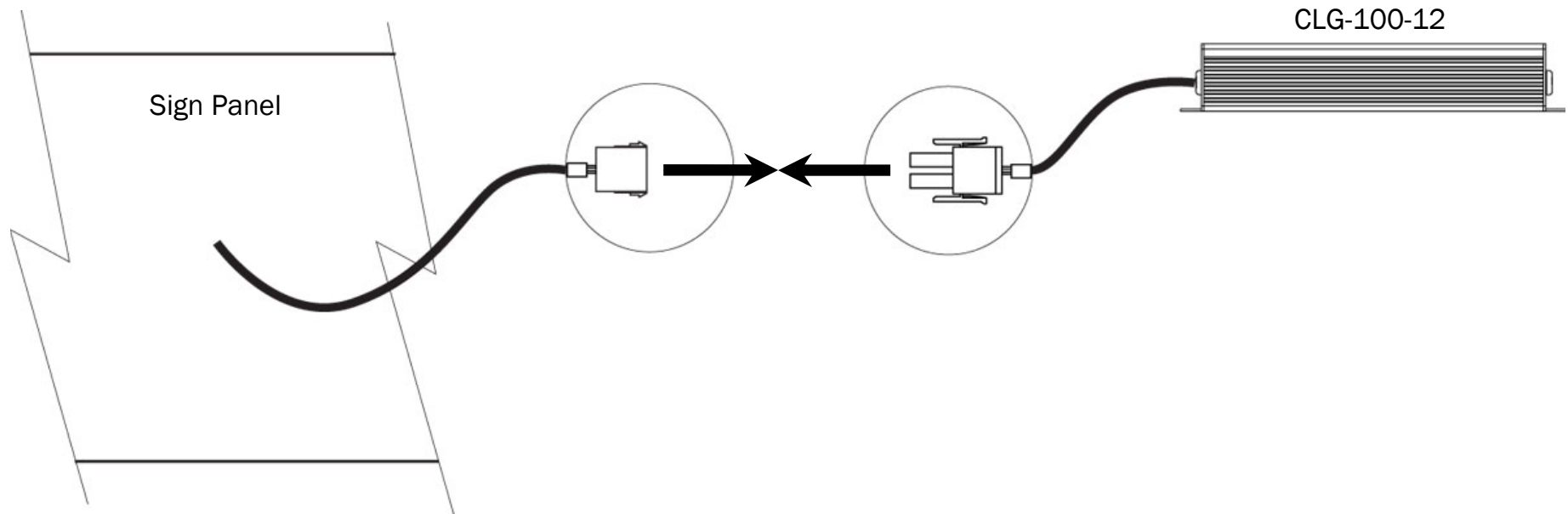
CLG - SECTION 4


6" - DOUBLE SIDED CONFIGURATION



CAUTION: Your 110VAC source should not be hot until all connections are completed.

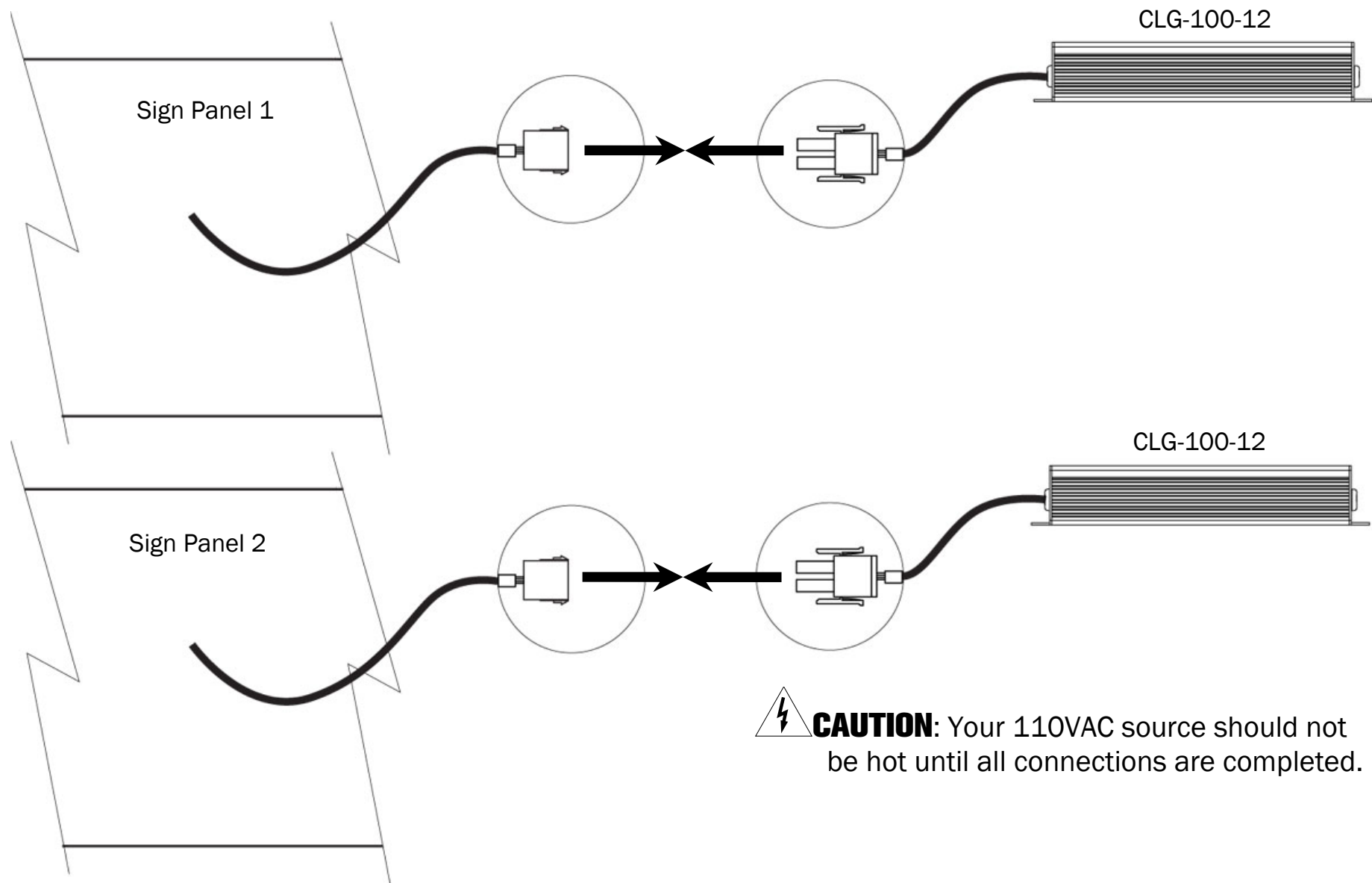
CLG - SECTION 4 8"/ 12"- SINGLE SIDED CONFIGURATION



 **CAUTION:** Your 110VAC source should not be hot until all connections are completed.

CLG - SECTION 4

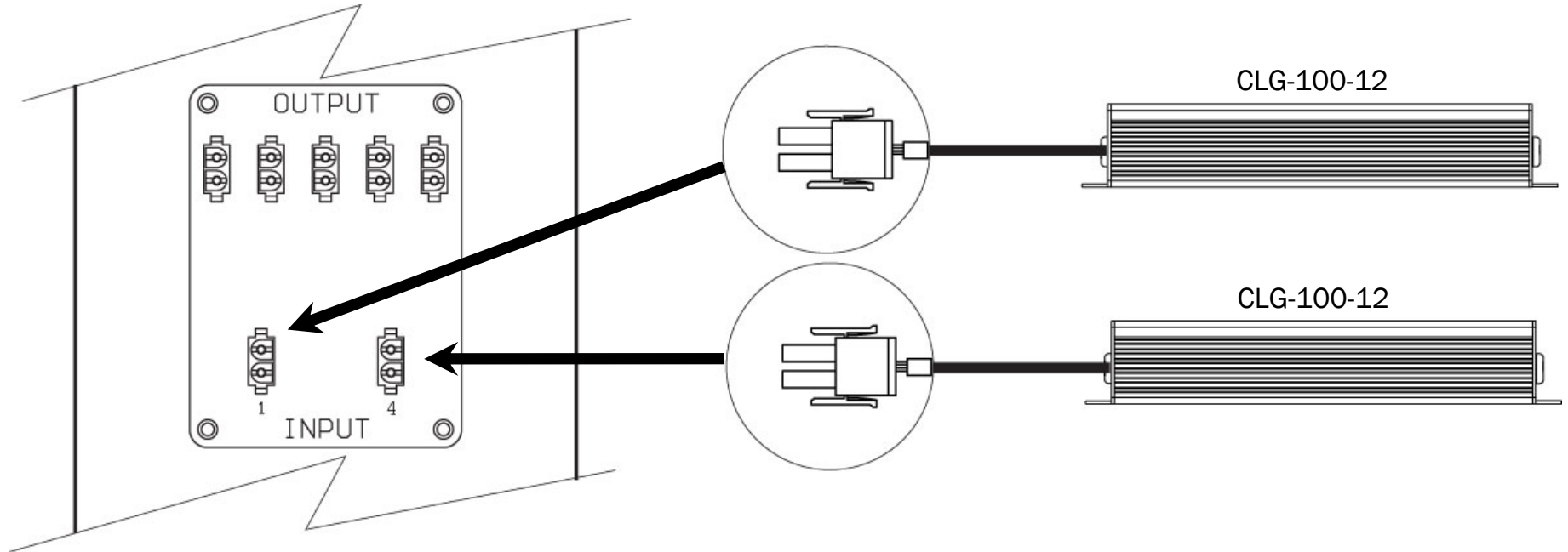
8"/ 12"- DOUBLE SIDED CONFIGURATION



CLG - SECTION 4

16"/ 18"/ 24" - SINGLE SIDED CONFIGURATION

Decimal Panel

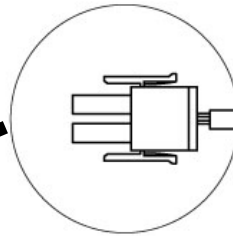
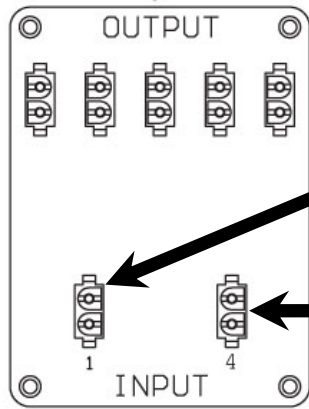


CAUTION: Your 110VAC source should not be hot until all connections are completed.

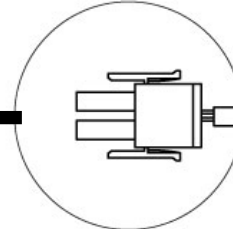
CLG - SECTION 4

16"/ 18"/ 24" - DOUBLE SIDED CONFIGURATION

Decimal Panel 1



CLG-100-12

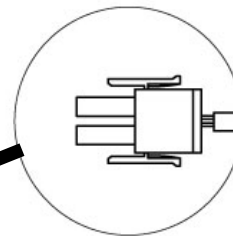
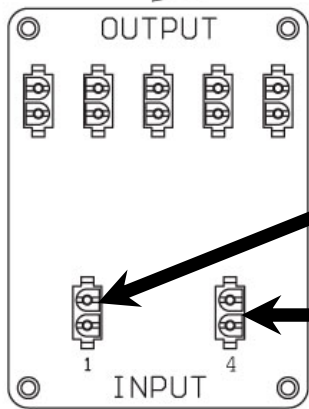


CLG-100-12

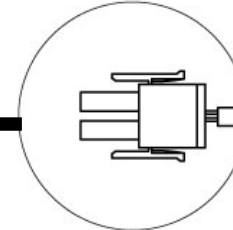


CAUTION: Your 110VAC source should not be hot until all connections are completed.

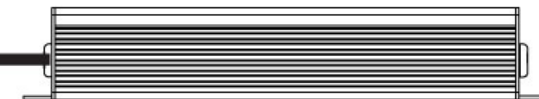
Decimal Panel 2



CLG-100-12



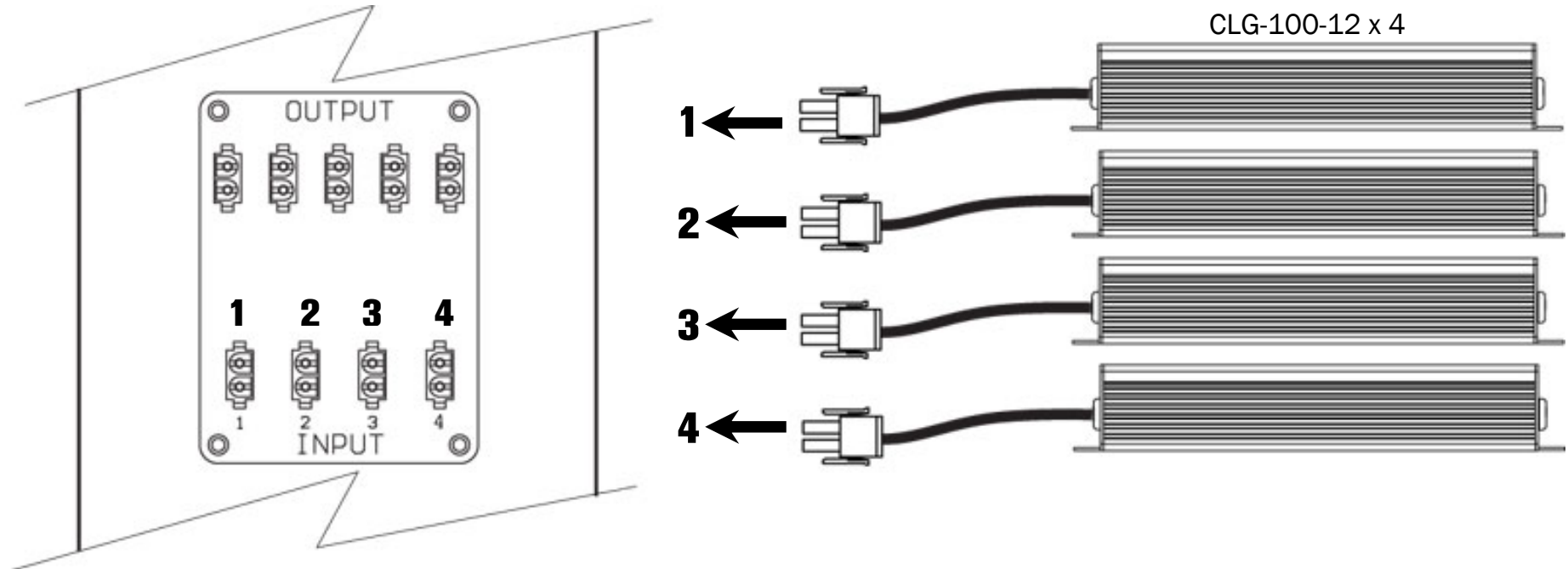
CLG-100-12



CLG - SECTION 4

30" - SINGLE SIDED CONFIGURATION

Decimal Panel

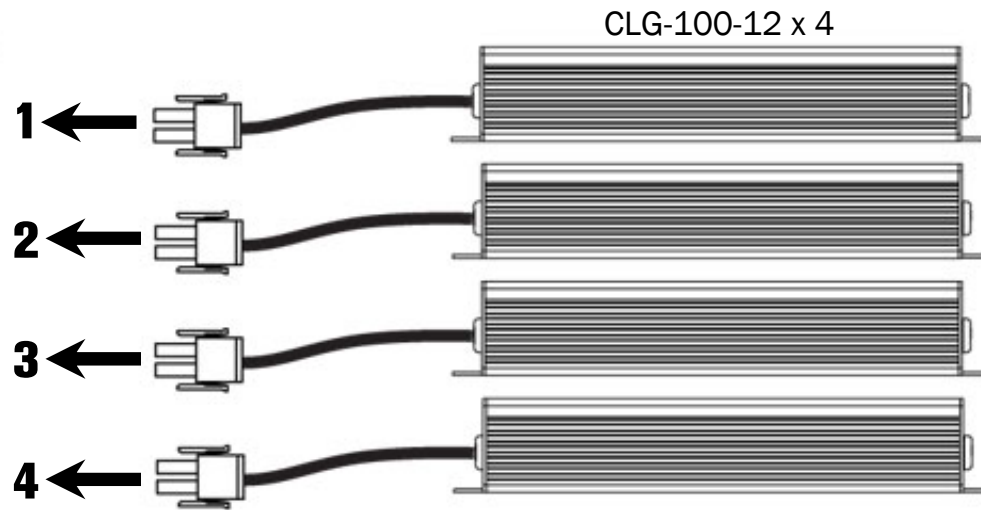
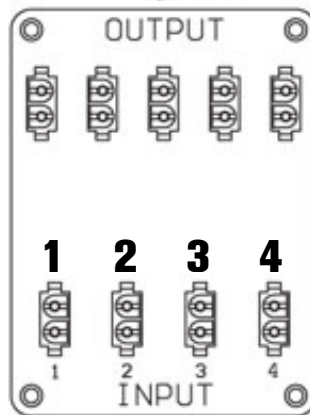



CAUTION: Your 110VAC source should not be hot until all connections are completed.

CLG - SECTION 4

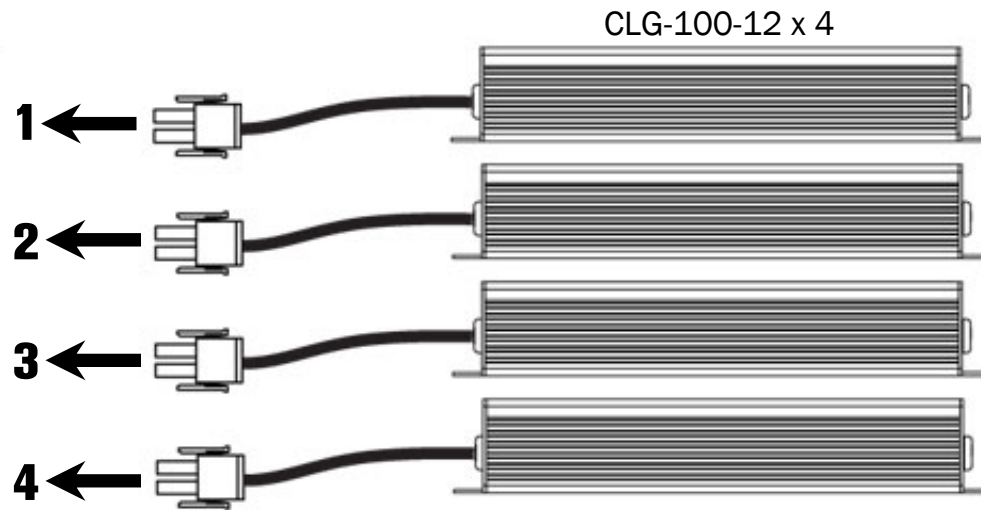
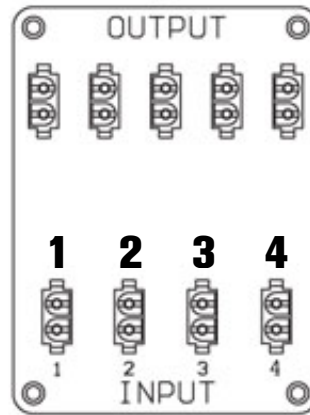
30" - DOUBLE SIDED CONFIGURATION

Decimal Panel 1



 **CAUTION:** Your 110VAC source should not be hot until all connections are completed.

Decimal Panel 2



CLG - SECTION 5

POWER SUPPLY AC CONNECTIONS

AC cable must be provided by installer. Use only appropriate gauge cable for the installation application as stated in the SAM manual.



CAUTION: Your 110VAC source should not be hot until all connections are completed.

CLG - SECTION 5 COMPLETION

Please go through the following checklist before powering up the power supply(s).

- The installation meets the requirements in CLG-Section 2.
- Make sure all connections to the terminal blocks are secure (potential danger of short circuit).
- Label your AC and DC wiring accordingly so that any service personnel can identify them easily.
- Do not make modifications while in operation. Risk of electrical shock can be fatal.

Questions?

1-800-223-9223 x115

PRO-LITE WARRANTY INFORMATION

LIMITED ONE YEAR WARRANTY

PRO-LITE INC. Warranty to the original consumer that each of its PRO-LITE products and all components therein contained will be free from defects in materials and/or workmanship for one year from the date of purchase or unless otherwise specified. Any warranty hereunder is extended only to the original consumer purchaser and is not assignable.

Warranty Conditions

In the event of malfunction or other indication of failure attributable directly to faulty workmanship and/ or material, PRO-LITE INC. will at its option, repair or replace said products or components to whatever extent it shall deem necessary to restore said product to proper operating condition, provided the consumer purchase has previously returned the enclosed Warranty Registration Card to PRO-LITE INC, and/or can provide an original dated receipt of purchase. During the first year after the date of purchase, all in house labor and materials will be provided without charge. There shall be no warranty for either parts or labor after the expiration of one year from the date of purchase. PRO-LITE INC. does not warranty bulbs in combination of fluorescent board products.

Units must be returned postage prepaid. It is recommended that the unit be insured when shipped. Units returned for which a Warranty Registration Card has not been submitted or out-of-warranty units returned will be repaired or replaced (at the option of PRO-LITE INC.) and the customer will be charged for parts and labor.

The customer shall be solely responsible for failure of any PRO-LITE INC. product or component thereof, resulting from accident, abuser misapplication of the product, and PRO-LITE INC. assume no liability as a consequence of such events under the terms of the Warranty.

Incidental and consequential damages caused by malfunctions, defect, or otherwise and with respect to breach of any express or implied warranty, are not the responsibility of PRO-LITE INC. and to the extent permitted by law are hereby excluded both for property and, to the extent, of unconscionable, for personal injury damage. (Some states do not allow the exclusion or limitations of incidental or consequential damages, so the above may not apply to you.)

Reseller Warranty

Resellers, which fall under the category of sign company, installer, contractor, or electrician, excludes coverage of all labor, travel, and maintenance fees associated with the servicing of defective signs. Standard warranty coverage is based on the product for Resellers of Digibrite products. Warranty for sign resellers covers all parts and factory labor (not on-site labor).

State Law Exceptions

This Warranty gives you specific legal rights and you also have other rights that vary from state to state.

This Warranty is in lieu of all other express warranties which now or hereafter might otherwise arise with respect to this product. ANY AND ALL IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR PARTICULAR USE SHALL HAVE NO GREATER DURATION THAN THE PERIOD THE EXPRESS WRITTEN WARRANTY APPLICABLE TO THIS PRODUCT AS SHOWN ABOVE AND SHALL TERMINATE AUTOMATICALLY AT THE EXPIRATION OF SUCH PERIOD. No action shall be brought for breach of any implied or express warranty after one year subsequent to the expiration of the period of the express written warranty. (Some states do not allow limitations of how long an implied warranty lasts, so this limitation may not apply to you.)

Returned Goods Authorizations (RMA)

Before returning a product for repair, the customer must call PRO-LITE INC. Customer Service at (714) 668-9988 for a Return Materials Authorization Number. This number should be included with the customer's mailing address and telephone number when the product is returned. Products should be returned to: PRO-LITE INC., Attention Warranty/Repair, 3505 Cadillac Ave. Bldg D, Costa Mesa, CA 92626 (postage prepaid). After receiving the RMA, the user shall promptly return the product at the user's expense to Pro-Lite Co., Inc. after receiving instructions as to when and where to ship product. Failure to follow this procedure shall void this warranty. Should the number of pieces received by Pro-Lite differ from the RMA either +/-, the customer will be notified and adjustments will be made at that time. Pro-Lite Co. Inc. reserves the right to examine all failed products and reserves the right to be the sole judge as to whether any products are defective and covered under this warranty

Freight Cost

Products will be returned to customer after repair or replacement at Pro-Lite's expense if the product is purchased within 30 days and Products will be returned to customer at customer's expense after 30 days from the date of purchase. In the event Pro-Lite would pay for the freight, it is Pro-Lite's option to choose the carrier and method to any destination within the United States of America. Should the customer desire some other specific form of conveyance, or be located outside the border of the U.S. then the customer must bear the cost of return shipment.

The warranty is subject to change unless otherwise agreed to this warranty condition.

