



GAS PRICE CHANGER POWER SUPPLY WIRING GUIDE

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.

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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

- Do not make modifications while in operation. Risk of electrical shock can cause serious injury.



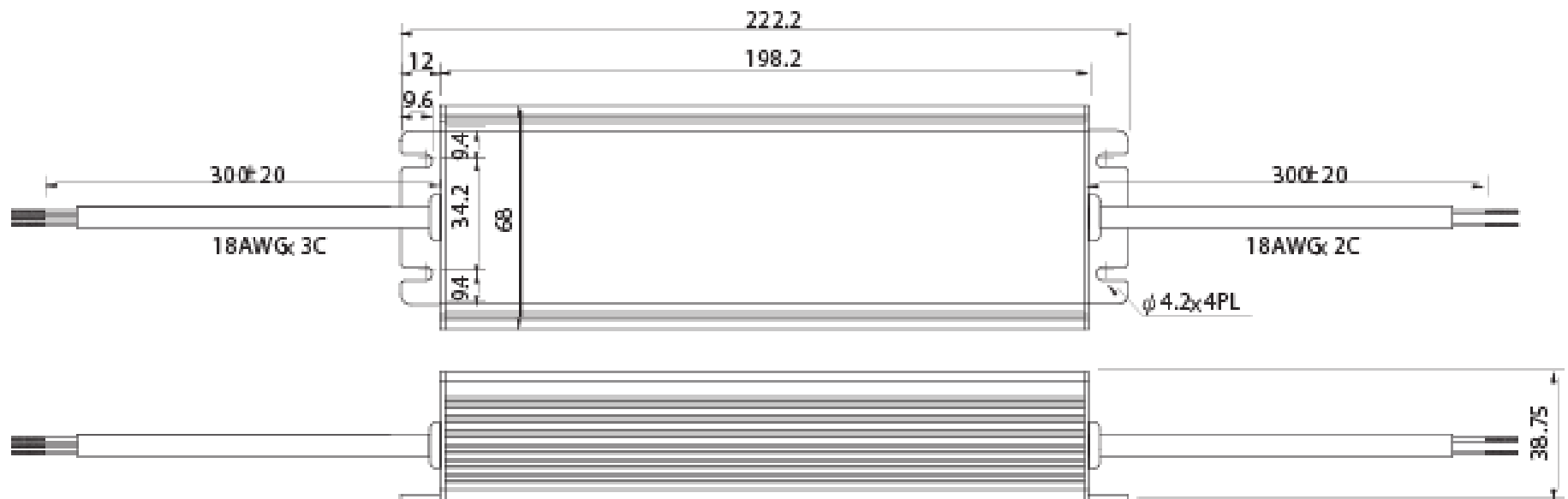
SECTION 2

POWER SUPPLY - SPECIFICATIONS

ONLY use power supplies that meet the UL Class 2 specification and ratings of the CLG100-24.



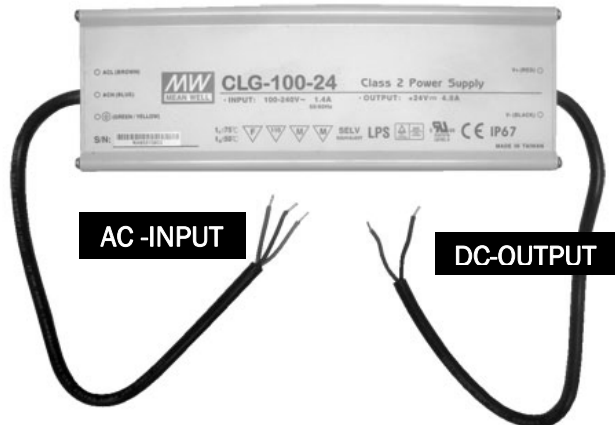
Type: Class 2 Power Supply
Model: CLG100-24
DC Voltage Output : 24VDC
Amperage Rating : 4A
AC Voltage Input : 110 ~ 120VAC
Watts : 100W



SECTION 2

POWER SUPPLY – TYPES

CLG100-24A – TYPE A (standard)



CLG100-24B – Type B (cable attachment)



? WHICH TYPE DO I USE FOR MY SIGNS?
Please refer to SECTION 3 -
Usage Chart & Configuration

SECTION 2

POWER SUPPLY - CONNECTIONS

CLG100-24A - TYPE A (standard)



AC-INPUT

CLG100-24A	AC SOURCE
BROWN	LIVE
BLUE	NEUTRAL
GREEN/YELLOW	GROUND

DC OUTPUT

CLG100-24A	SIGN
RED WIRE	RED WIRE
BLACK WIRE	BLACK WIRE

CLG100-24B - Type B (cable attachment)



AC-INPUT

CLG100-24B	AC SOURCE
BROWN	LIVE
BLUE	NEUTRAL
GREEN/YELLOW	GROUND

DC OUTPUT

CLG100-24B	SIGN
FEMALE CONNECTOR	MALE COUNTERPART

SECTION 2

POWER SUPPLY - MOUNTING

REQUIREMENTS

- 1) If the sign requires more than one power supply, the spacing between each power supply MUST be no less than 4" or in accordance with UL in SAM manual.
- 2) At least 24" higher than the bottom of the cabinet.
- 3) 24" away from any transformer or AC power source.
- 4) Operating temperature must be between -25°C to 70°C. Fan ventilation is required for operating temperatures that exceed 70°C.
- 5) Leave sufficient space around the unit for cooling.
- 6) Must be within 5 feet from the display.
- 7) Dedicated circuit breaker, separated from other lighting or power equipment.
- 8) Keep dry and away from damp or wet environments.



CAUTION: Your 110VAC source should not be hot until after the DC and AC connections are made to the power supply.

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

SECTION 3

USAGE CHART & CONFIGURATION

Find the size sign(s) you are working with and place a check mark for reference.

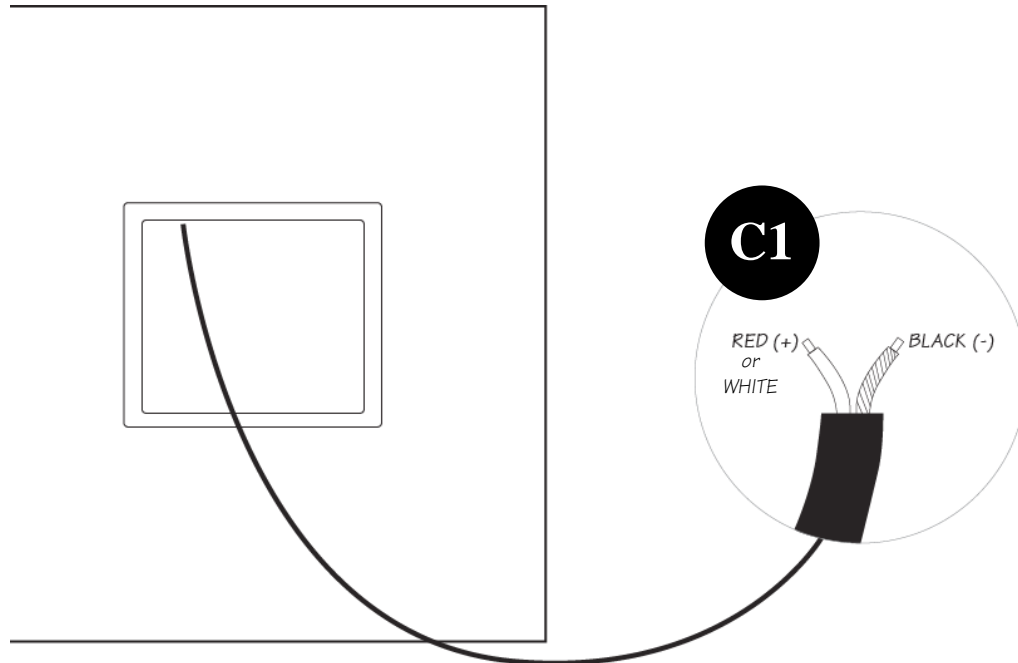
Go to the Corresponding Page to view details on how to connect the power supply(s) to the sign.

Check Mark	Gas Pricer Sign Size	CLG100-24A Required	CLG100-24B Required	Configuration	Corresponding Page
<input type="checkbox"/>	8"	1	0	ONE	Page 7
<input type="checkbox"/>	12"	1	0	ONE	Page 7
<input type="checkbox"/>	16"	1	0	ONE	Page 7
<input type="checkbox"/>	18"	1	1	TWO	Page 8
<input type="checkbox"/>	24"	1	1	TWO	Page 8
<input type="checkbox"/>	30"	1	2	THREE	Page 9
<input type="checkbox"/>	36"	1	2	THREE	Page 9

SECTION 4

CONFIGURATION ONE

BACKSIDE VIEW OF SIGN



C1 Connect to CLG100-24A.

Double check your connections before applying 110VAC to the CLG100-24.

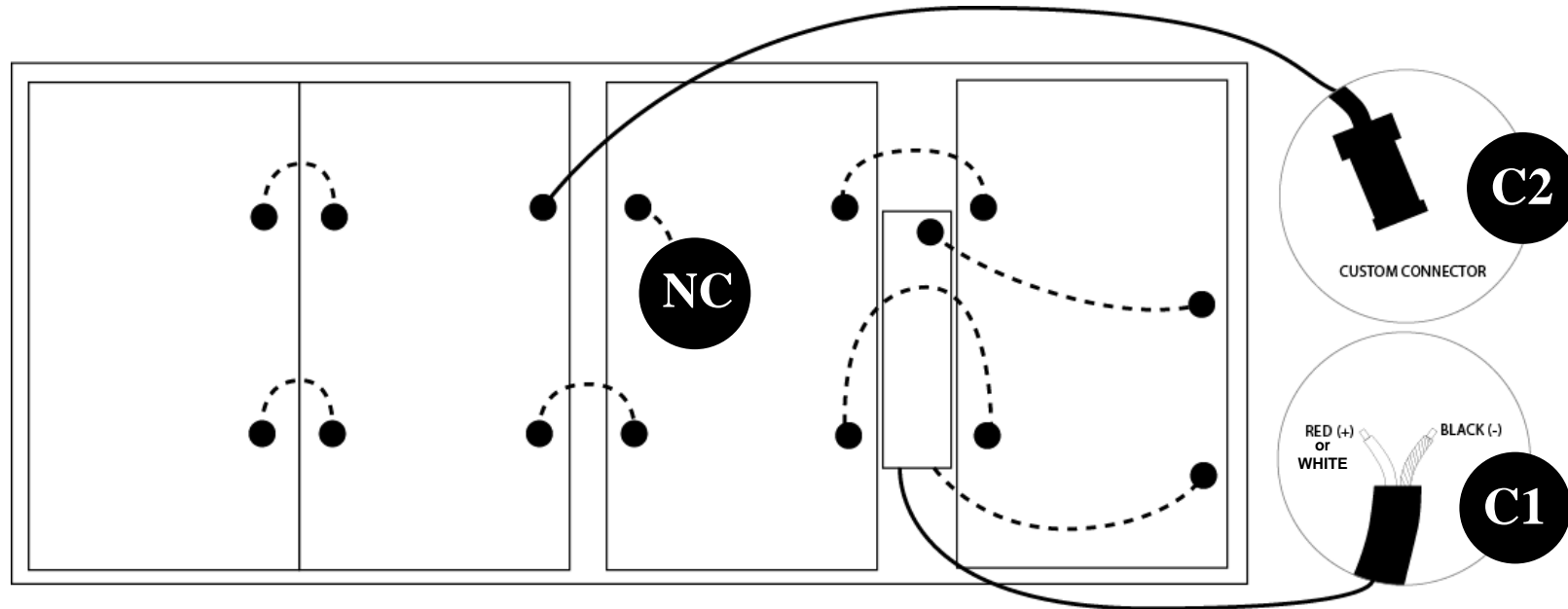


CAUTION: Your 110VAC source should not be hot until after the DC and AC connections are made to the power supply.

SECTION 4

CONFIGURATION TWO

BACKSIDE VIEW OF SIGN



NC NO CONNECTION. Future expansion plug. It is safe to leave as is.

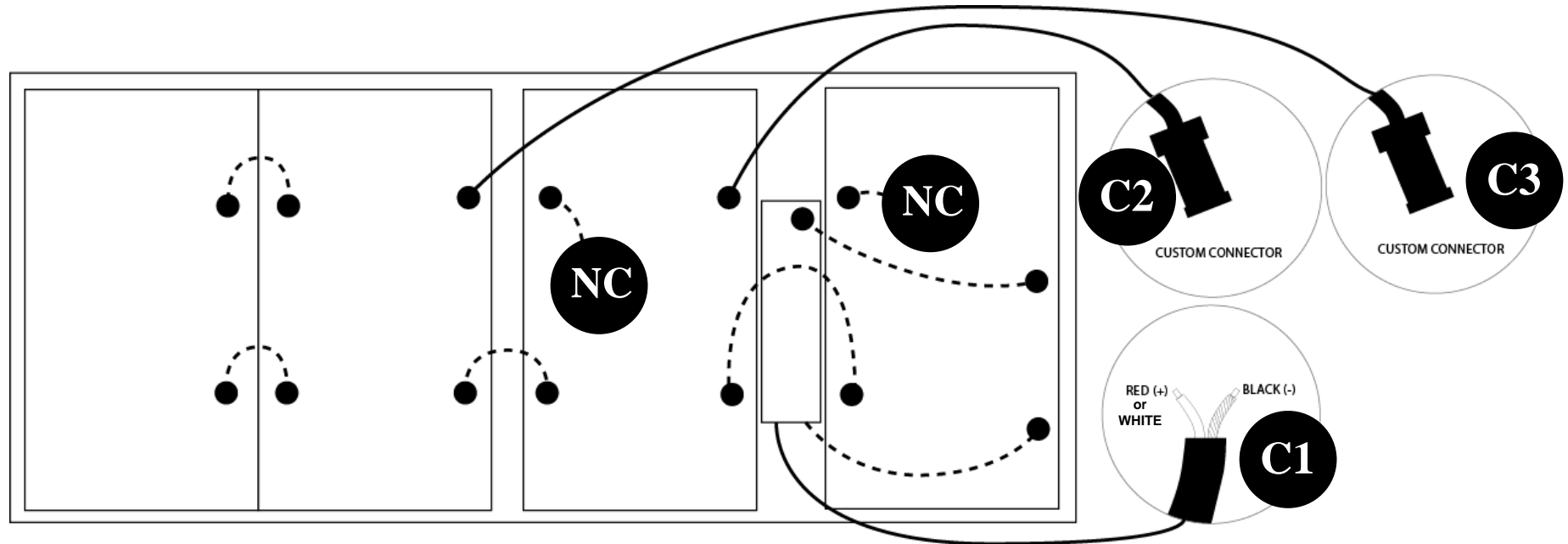
C1 Connect to CLG100-24A.

C2 Connect to CLG100-24B.

SECTION 4

CONFIGURATION THREE

BACKSIDE VIEW OF SIGN



NC NO CONNECTION. Future expansion plug. It is safe to leave as is.

C1 Connect to CLG100-24A.

C2 Connect to CLG100-24B.

C3 Connect to CLG100-24B.

SECTION 5

CLEANING

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

- The installation meets the requirements on Section 3.
- 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