

# Installation Instructions

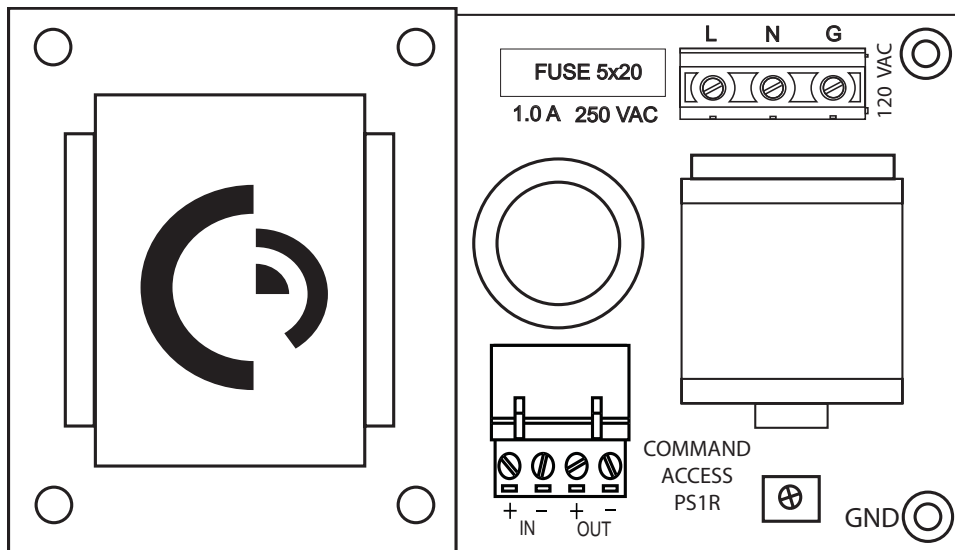
## CRPS1N



Application: Designed specifically to supply power for EL latch pullback exit devices that operate at 24VDC.

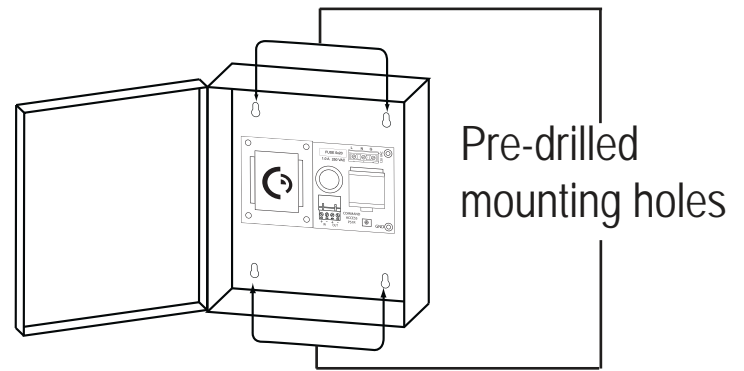
### FEATURES & SPECIFICATIONS

- Input voltage - 120 VAC, 60Hz, 0.36 A
- Output rated 24 - 27.5 Vdc, 1 A
- (1) solid state input/output triggered by dry contact (No relay required)
- LEDs - Red-Power indicator (LED 2) , Green-Channel indicator (LED 1)
- Temperature range - 0 to 49° C
- Line voltage wiring shall be a minimum of 18 AWG in conduit
- All wiring that is not line voltage shall be a minimum of 22 AWG
- 1/4 inch spacing must be maintained between power-limited and nonpower-limited wiring
- Enclosure - 10"W x 10"H x 4"D
- Wiring from the FACP to be in accordance with NFPA 101, section 7.6.1.6.2
- Fuses - AC= 1.0 A 250V 5m X 20mm



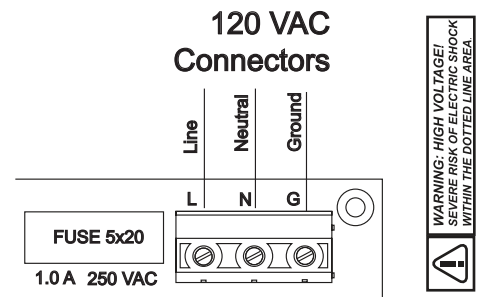
## STEP 1

Mount the power supply



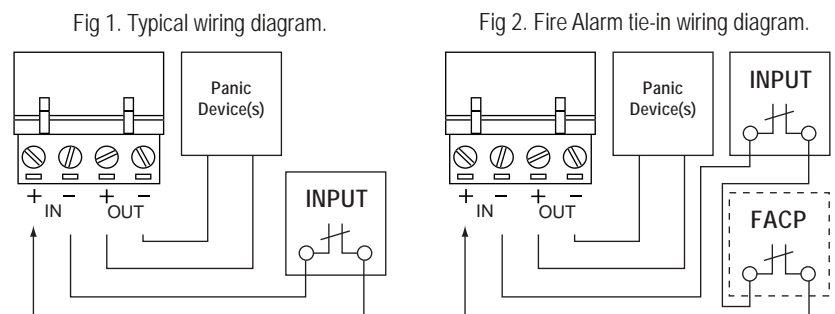
## STEP 2 120 VAC wiring connection

- ① Make sure 120VAC service is off at power supply PS1N (Breaker should be shut off).
- ② Make sure 120VAC supply wire is rated at 90° C or higher.
- ③ Connect 120VAC supply wire to the AC pigtail labeled AC IN
- ④ Restore AC power to the power supply. Red LED should now be on.



## STEP 3 Wiring the devices

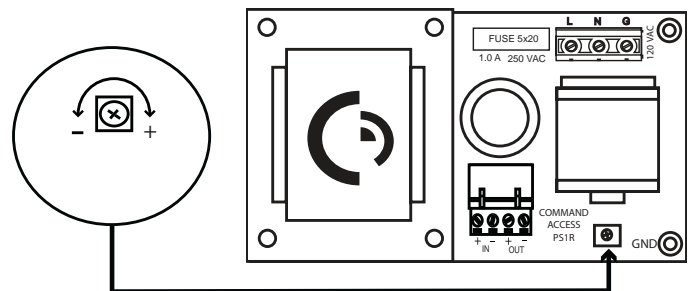
- ① Shut off breaker supplying AC power to the power supply.
- ② Wire your exit device(s) per the diagram(s).
- ③ Restore power to power supply and trigger the device(s) to make sure they are working correctly.



## STEP 4 Adjusting the Output Voltage

**NOTE:** The output voltage cannot be adjusted in an UL installation.

- ① To adjust output voltage, locate adjustment dial shown and go to step 2.
- ② Turn adjustment dial clockwise to increase output voltage. Turn adjustment dial counter-clockwise to decrease output voltage.



## TROUBLESHOOTING

Symptom	Possible Cause	Solution
• EL Exit device can't fully retract latch	Possibility 1 - Wire gauge from pwer supply to exit device is too thin	Check with your device manufacturer's wiring specifications.
	Possibility 2 - Distance from pwer supply to exit device is too far	Check with your device manufacturer's wiring specifications.
	Possibility 3 - Exit device out of adjustment	Re-adjust exit device according to manufacturer's mechanical recommendations.
• Power supply not working and red LED not lit	Possibility 1 - AC fuse blown	Replace fuse with a 5mm x 20mm, 1.0 A 250VAC, slow blow fuse only