

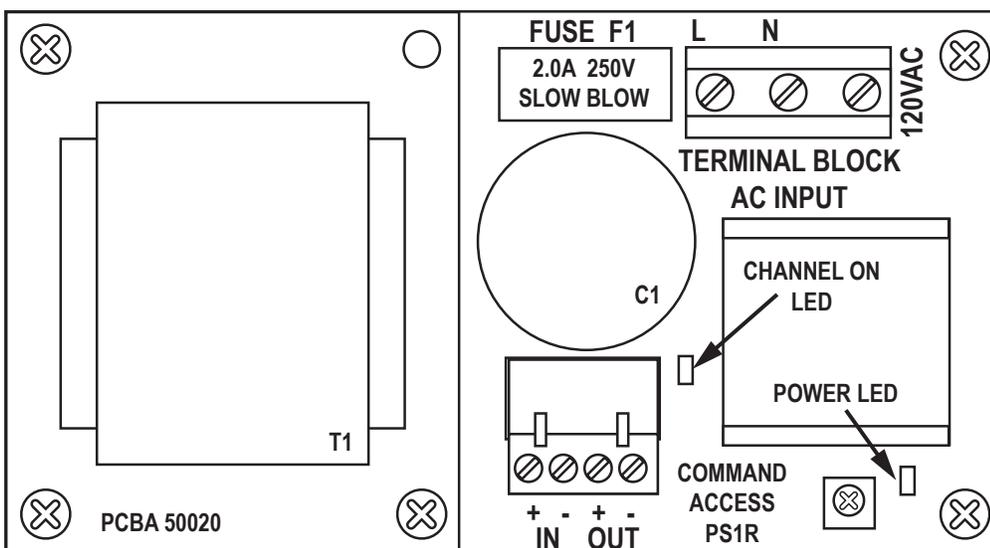
Installation Instructions

PS1

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

FEATURES & SPECIFICATIONS

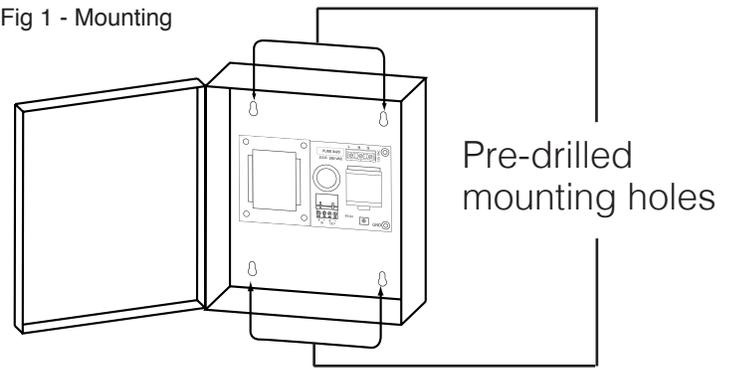
- Input voltage - 120 VAC, 60Hz, 0.36 A
- Output rated 24 Vdc, 1 A
- (1) solid state input/output triggered by dry contact (No relay required)
- LEDs - Red-Power indicator (LED 2) , Green-Channel indicator (LED 1)
- Temperature range - 0 to 49° C
- Line voltage wiring shall be a minimum of 18 AWG in 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 (12.5"W x 15"H x 5"D optional)
- Wiring from the FACP to be in accordance with NFPA 101, section 7.6.1.6.2
- Fuses - AC= 2.0 A Slow Blow 250V 5m X 20mm



STEP 1

Mount the power supply

Fig 1 - Mounting



STEP 2

120 VAC wiring connection

Make sure 120VAC service is off at power supply PS1 (Breaker should be shut off).

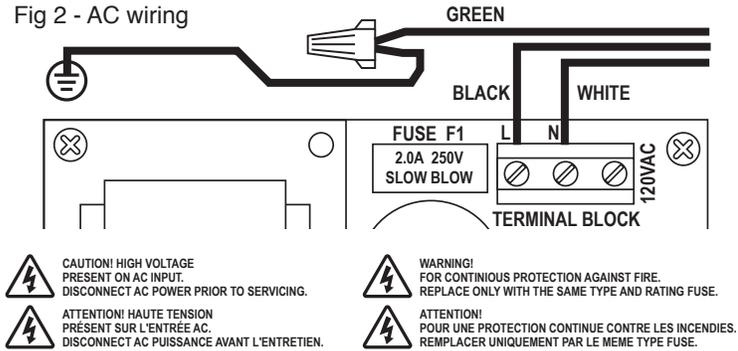
Make sure 120VAC supply wire is rated at 90° C or higher.

Connect 120VAC supply wire to the AC input.

Connect ground wire to green pigtail attached to the enclosure chassis using the supplied wire nut.

Restore AC power to the power supply. Red LED should now be on.

Fig 2 - AC wiring



STEP 3

Wiring the devices

Shut off breaker supplying AC power to the power supply.

Wire your exit device(s) per the diagram(s).

NOTE: NO VOLTAGE ON INPUTS...DRY CONTACT ONLY

Restore power to power supply and trigger the device(s) to make sure they are working correctly.

Fig 3.1 - Typical wiring diagram.

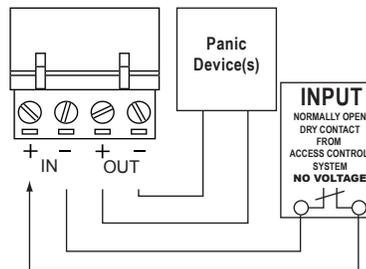
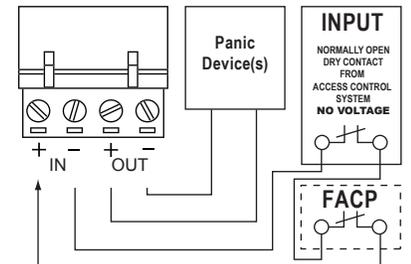


Fig 3.2 Fire Alarm tie-in wiring diagram.



STEP 4

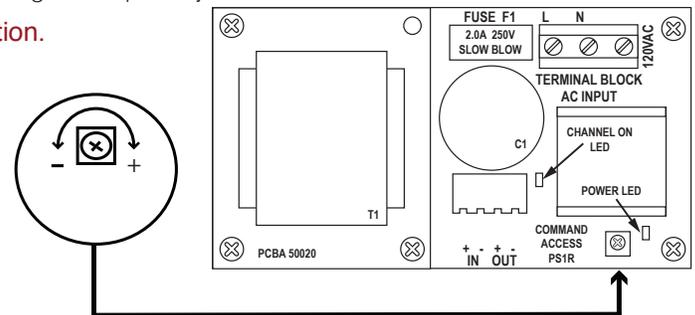
Adjusting the Output Voltage

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

To adjust output voltage, locate adjustment dial shown and go to step 2.

Turn adjustment dial clockwise to increase output voltage.
Turn adjustment dial counter-clockwise to decrease output voltage.

Fig 4 - Output Adjustment



TROUBLESHOOTING

SYMPTOMS	POSSIBLE CAUSES	PROBLEMS
• 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 adjustmernt	Re-adjust exit device according to manufacturer's mechanical recommendations.
• Power supply not working and red LED not lit	Possibility 4 - AC fuse blown	Replace fuse with a 5mm x 20mm, 2.0 A 250VAC, slow blow fuse only