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

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