

# Emergency Lighting Transfer Device for 0-10V Dimmable Loads

# Central Power Systems

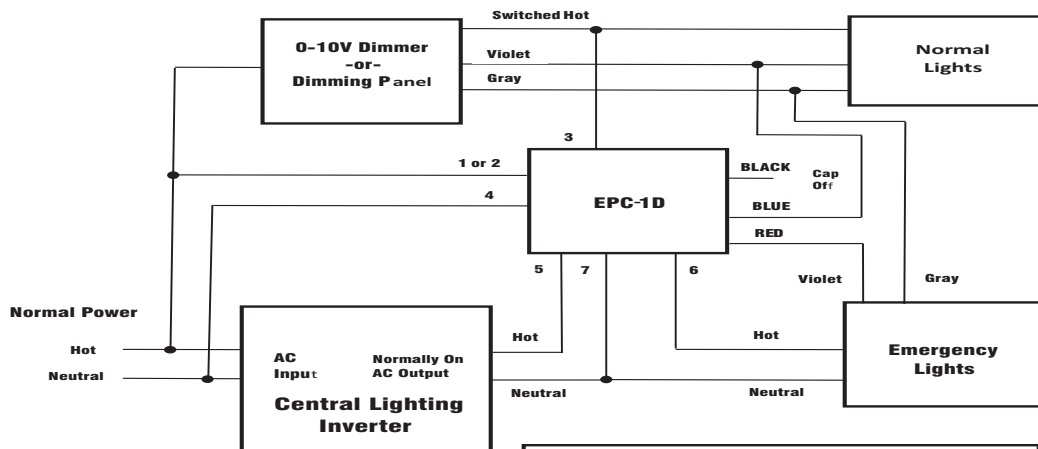
Evenlite's EPC-1D emergency lighting power transfer device allows the user to provide emergency backup power to 0-10 volt and low voltage dimmable loads. Backup power from a Pure Wave or Lite-Minder inverter can be routed thru the emergency power transfer device to the dedicated emergency fixtures so that if the fixtures are in the dimmed mode when a power outage occurs, the fixtures will switch to full brightness. When utility power is restored the fixtures will revert back to the dimmed mode.



The emergency power transfer device is available for mounting in a j-box in the wall or ceiling and includes a push to test switch and LED indicators.

## Central Inverter with EPC-1D Single Zone Dimmed Lighting Loads (0-10V Control)

*Shows Emergency Lights on the same zone*



**Operation:**  
 Emergency Lights can be dimmed with the Dimmer or Dimming Panel. Wire #1 is the sense wire for EPC-1D internal multi-pole relay control. Under normal operation, power flows from wires #5 to #6 to the emergency lights. In addition, there is a contact closure from red to blue wires for 0- 10V control  
 Upon power loss, EPC-1D will connect the Inverter AC Output to the Emergency Lights. Emergency power flows from wires #5 to #6 to the emergency lights. In addition, contacts open Red to Blue wires to bring lights to full brightness.



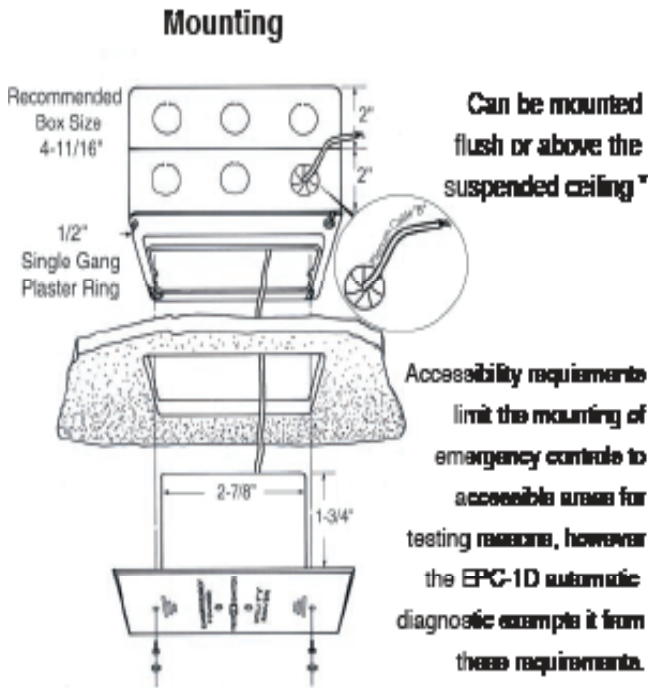
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Project name:	Approved By:
Catalog No:	Type No:

# Emergency Lighting Transfer Device for Dimmable Loads

## FEATURES

- The EPC-1D is compatible with 4 wire Dimmable Loads, 0-10V and Low Voltage Digital Dimming Systems including DALI and others
- Easily installs in a 4-11/16" j-box\* and can be, mounted above the suspended ceiling, or flush mounted
- Red and green LED indicators are provided, green indicates utility power is present and red indicates emergency power is present
- Integral test switch allows for convenient "anytime" testing
- Fail safe operation transfers fixtures to emergency backup power at full brightness
- Built in voltage surge protection ensures reliability
- Safe for installation above the ceiling, UL 94V-0 flame rating
- Operating temperature range 0°C to 60°C
- Ideal for use with designated dimmable emergency luminaires in auditoriums, restaurants, conference rooms, theaters, classrooms, and many other applications
- Any interruption of normal utility power will automatically transfer designated emergency lights to full brightness
- White display panel flush mounted size is 4-3/4" x 2-3/4" x 1/4"
- Body Size 2-7/8" x 1-3/4" x 1-3/4"
- 120 or 277 VAC field selectable input
- 120 VAC ballast 20 amp, 120 VAC Tungsten 1800 Watt general use 20 amp
- 277 VAC ballast 20 amp, general use 20 amp
- All units are tested during production and duration tested after production is complete
- Meets or exceeds the requirements of NEC, NFPA 101 Life Safety Code, OSHA, State and Local code requirements
- 3 year limited warranty
- Tested and approved by Underwriters Laboratories to UL 924 standards for designated emergency light fixture controls



\* j-box not provided

## ORDERING GUIDE

EPC		
Model	Mounting	Input/Output Voltage
<b>EPC-1D</b> Emergency Power Control for 0-10V D dimming systems	Mounts to a 4-11/16" j-box(not provided)	<b>120/277 VAC</b> Selectable Dual Voltage Input

Example: EPC-1D