

# ISI-EPC-A-2-D

UL Listed Emergency Power Control



**Inverter Systems, Inc.**

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**Intended for Use with Switching, 0-10V  
and DALI/Ecosystem Dimming Controls**



UL 924 Listed  
Self-Testing  
Self-Diagnostic



LED  
Compatible



0-10V  
Dimmer  
Compatible



*\*Mounting ears can be quickly removed with pliers to permit mounting using threaded hub.*

## APPLICATION

The **EPC-A-2-D** saves energy and money while ensuring compliance with both life safety and energy codes. In the past, emergency lights were kept on 24 hours a day to meet life safety codes. Now, you can use a UL 924 listed Emergency Power Control, Model EPC-A-2-D, to convert normal light fixtures into approved emergency lights.

During normal operation, the same switch, occupancy sensor, relay panel, or lighting control can switch normal and emergency fixtures on and off simultaneously.

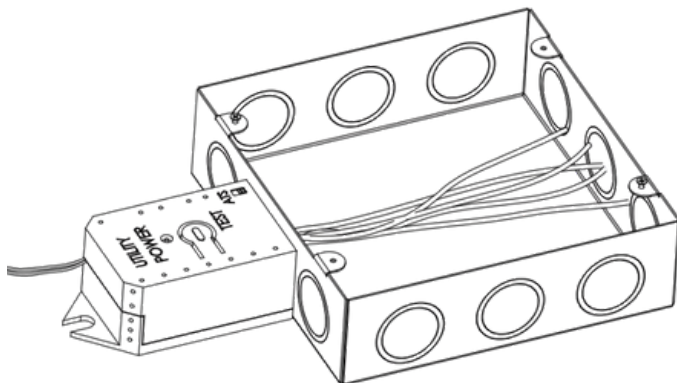
During a utility power interruption, the **EPC-A-2-D** automatically bypasses the normal lighting controls, turning the emergency lights ON at full brightness, regardless of dimmer position.

The **EPC-A-2-D** boasts a universal mount design with ears; allowing the device to be nipple, fixture, panel or box mounted. This enables the **EPC-A-2-D** to adapt to the application requirements.

## FEATURES

- Fire Alarm Override / Remote Test Switch Input
- Utility Power Indicator LED
- Universal Mount Design: Contractor friendly design similar to industry standard power packs for quick and easy installation.
- Isolated 0-10V Relay Contact: Ensures full brightness during utility power interruption, regardless of dimmer model.
- Unique, Patented Automatic Diagnostic: When the room switch is turned off, the **EPC-A-2-D** will run a 2.5 self-test routine, verifying that the emergency power source was available and that the **EPC-A-2-D**, ballast, and lamp(s) are all functioning correctly. This feature eliminates the need for time-consuming and costly manual monthly testing and is approved for this purpose. This also allows the unit to be installed in remote or inaccessible locations, because the unit does not rely on access to its manual test switch. Field selectable via "ATS" slider switch.

## MOUNTING



2-1/2" (L) x 1-5/8" (W) x 1-3/8" (H)  
(excluding ears/hub)

Field wiring leads: 7.5"

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For Switching, 0-10V & DALI Dimming Controls

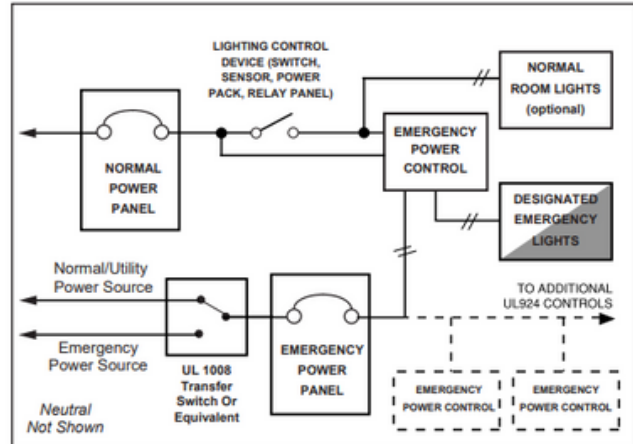
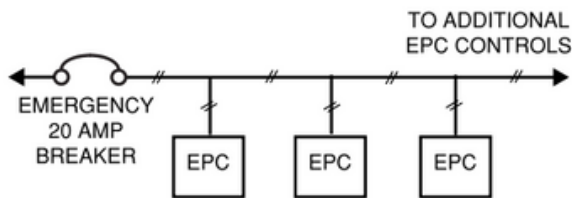


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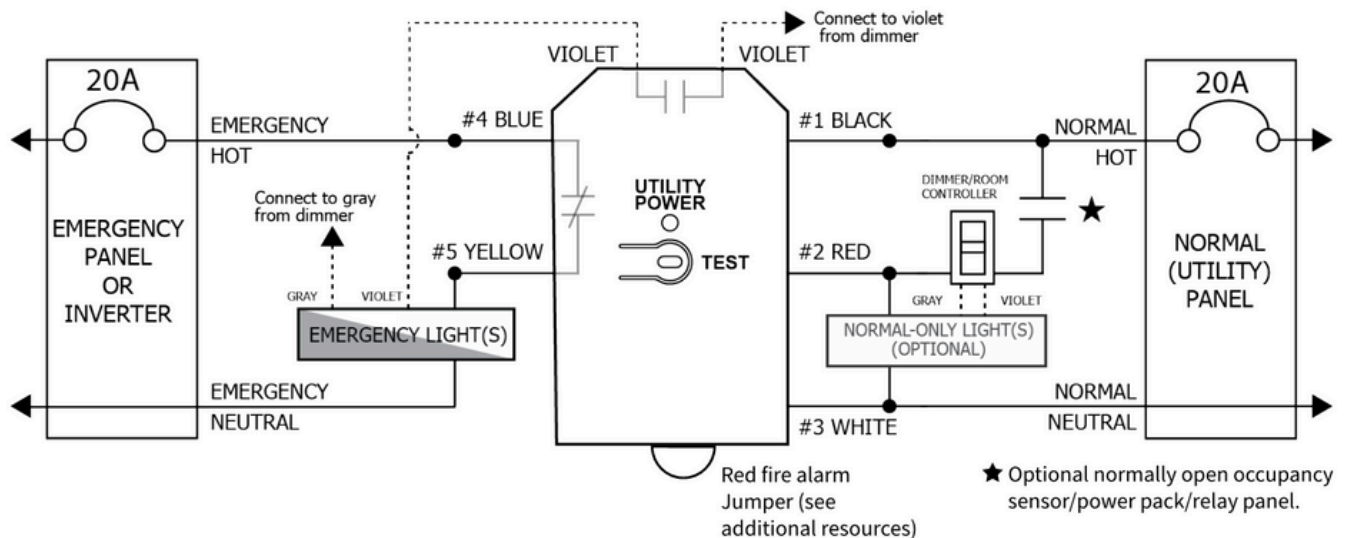
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## SINGLE LINE DIAGRAM

On a 20 Amp circuit, 1 emergency power control (EPC) can control up to 16 Amp of emergency lighting load, or 20 EPC's can each control 1 Amp of emergency lighting load. One EPC is required per switch leg or zone.



## WIRING DIAGRAM



Contact factory for fire alarm override wiring detail.

## SPECIFICATIONS

- Model Number: EPC-A-2-D
- Sensing Voltage: 120-240/277V
- Load Voltage: 120-240/277V
- Ballast / Driver Load: 16A Electronic Ballast/LED Driver / General Use  
5A Magnetic Ballast
- Incandescent Load: 1800w (120V) / 3000w (277v)  
Normally Closed Output Contact

- Warranty: 5 Year Limited Warranty
- Mounting: Nipple on 1/2" KO
- Plenum Rating: Plenum Rated. Tested to UL2043. UL94-5VA.
- Shipping Weight / Color: 4 oz. / Black
- Temperature: 32°F-140°F (0°C-60°C)
- Body Size: (without Hub/Ears): 2-1/2" x 1-5/8" x 1-3/8"
- Body Size (with Hub/Ears): 3-5/8" x 1-5/8" x 1-3/8"