LEVITON®

Emergency Power Control
For 0-10V and DALI Dimmable Loads

Description

The Leviton the Emergency Power Control (ECS00) offers precise energy saving control while converting normal light fixtures into approved emergency lights. The ECS00 saves energy and money while ensuring compliance with both life safety and energy codes.

During normal operation, the same dimmer, occupancy sensor, dimming panel, or lighting control can switch and dim normal and emergency fixtures on and off simultaneously. During a utility power interruption, the ECS00 automatically bypasses the normal lighting controls, turning the emergency lights ON at full brightness, regardless of the dimmer position. The ECS00 is ceiling or wall mounted in a junction box with a single-gang plaster ring, usually located in the area where the emergency fixtures are installed.

Applications

Ideal for designated dimmable emergency luminaires in public places such as:
- Auditoriums
- Restaurants
- Conference rooms
- Theaters
- Classrooms
- Retail spaces
- Municipal buildings
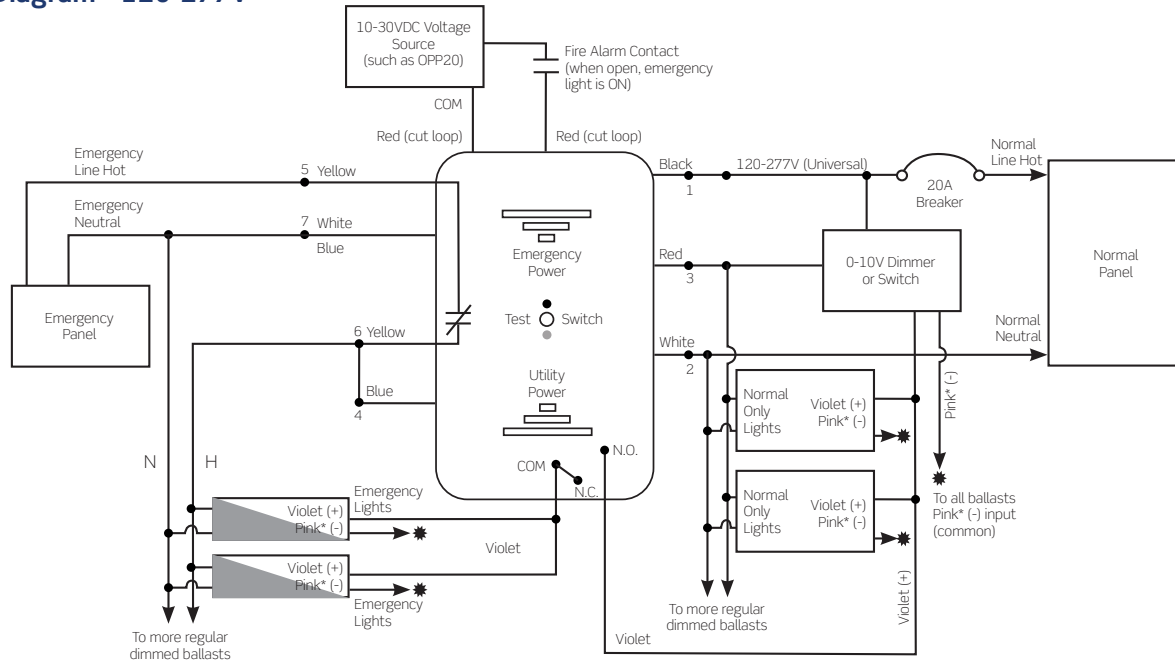- Houses of worship
- Egress routes

Features

- Isolated 0-10V relay contact ensures full brightness during utility power interruption, regardless of dimmer model
- Unique, patented automatic diagnostics eliminate manual monthly testing with two field-selectable automatic testing features:
  - When room switch is turned off, runs a 2.5-second self-test routine, verifying emergency power source availability and that the ballast and lamp(s) are functioning correctly
  - Monthly/annual 30 second/90 minute test cycle with microprocessor logging
- Fire alarm, remote test and 0-10V dimming
- Utility and emergency power indicator LEDs
- Slim, attractive flush mount profile allows easy access to manual test switch and LEDs

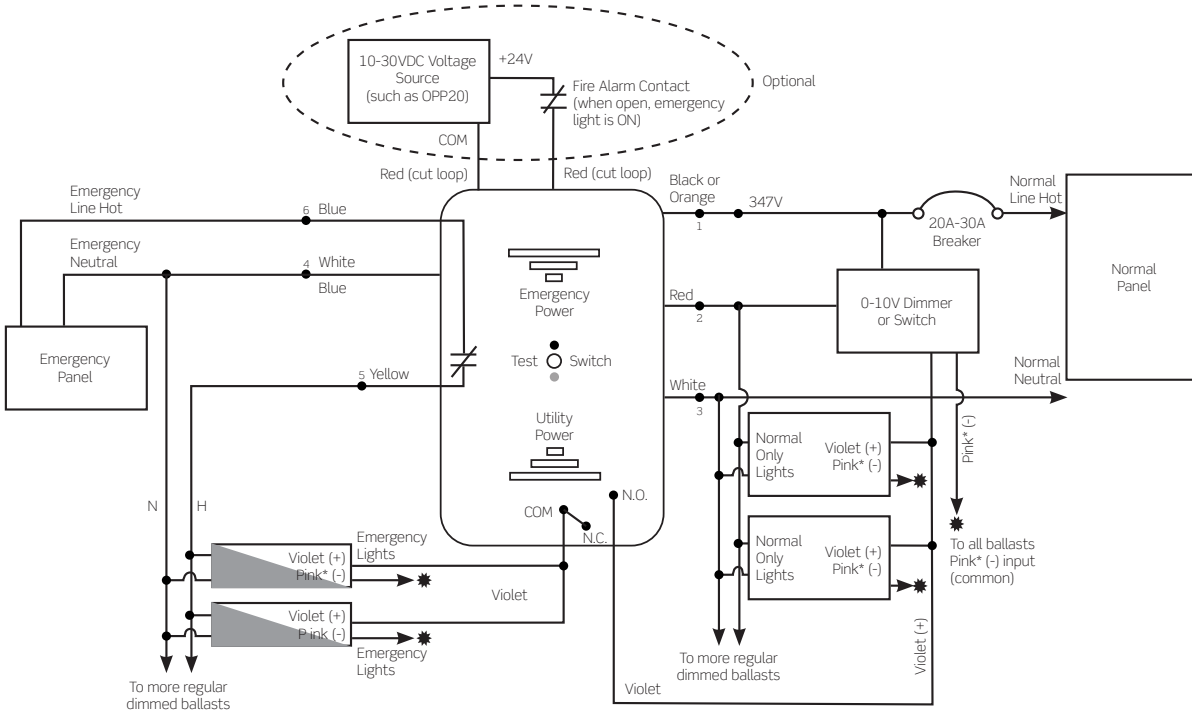## Wiring Method #1 (Typical) — Normal & Emergency Lighting On a Shared Zone

For applications where a dimmer, room controller, or other lighting control is used to control normal and emergency lighting together on a shared zone. The ECS00 relay is used to bypass the control and turn the emergency lighting portion of the zone on at 100% brightness during loss of normal power.

Wiring Diagram—120-277V

NOTE: Red wires are polarity independent; normal only lights are optional.
*Depending on date of manufacture, pink wires may be gray.
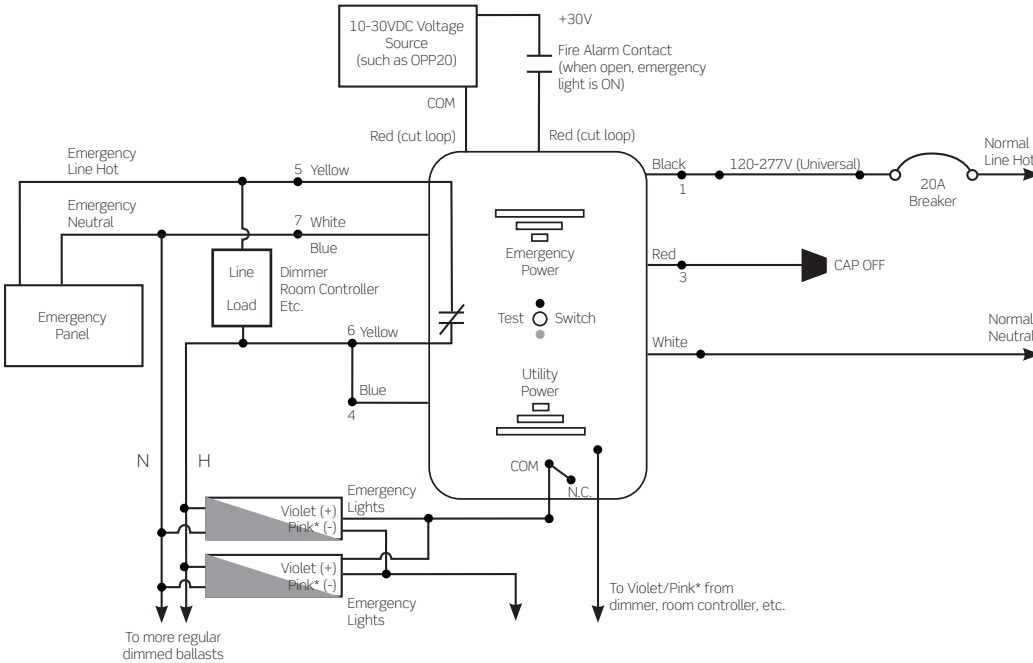
Wiring Diagram—347V

NOTE: Red wires are polarity independent.
*Depending on date of manufacture, pink wires may be gray.

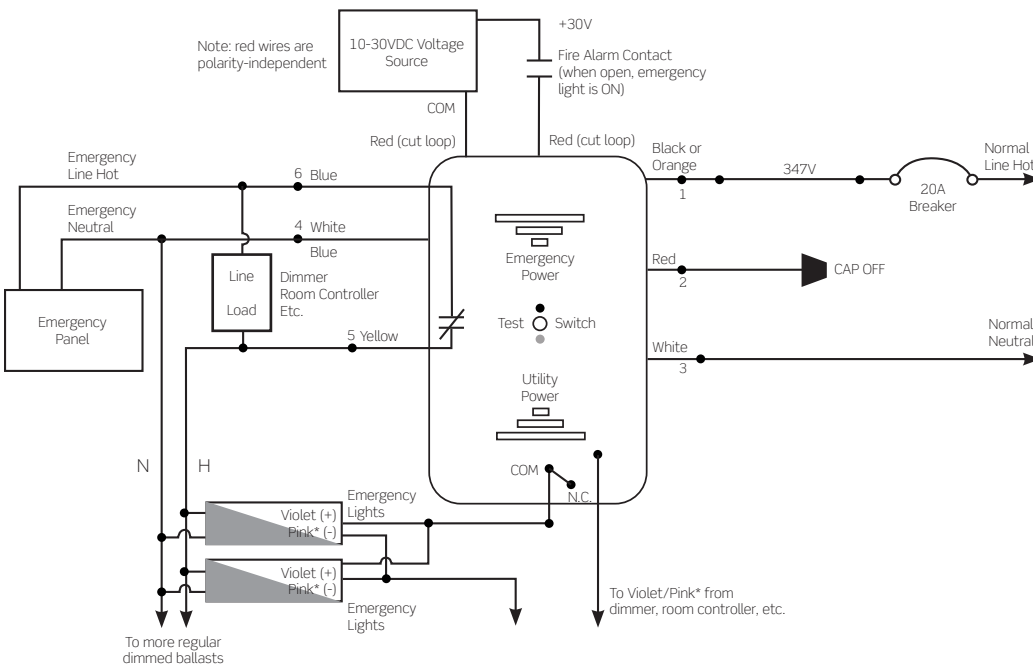## Wiring Method #2 (Shunt) — Emergency Lighting On a Dedicated Zone

For applications where a dimmer, room controller, or other lighting control is used to control emergency lighting only on a dedicated zone. The ECS00 relay is used to bypass the control and turn the entire zone on at 100% brightness during loss of normal power.

Wiring Diagram—120-277V

*Depending on date of manufacture, pink wires may be gray.

Wiring Diagram— 347V

*Depending on date of manufacture, pink wires may be gray.

Specifications

Electrical	ECS00-DDW	ECS00-30W
Sensing Input	120-277V	347V
Load Rating	20A (120-277V) general use	20A (347V) general use
Ballast Load Rating	20A (120-277V)	15A (347V)
Mechanical		
Mounting	4-11/16" junction box with single gang plaster ring	
Rating	UL924-5VA	
Ambient Temperature	14 to 140°F (-10 to 60°C)	
Shipping Weight/Color	0.75 lb (0.34 kg)/White	
Flush Mounted Size	Single gang size	—
Body Size	1.75x2.86x3.25" (44.45x72.64x82.55mm)	
Agency Listing	cUL/US	
Warranty	5-Year	

Ordering Information

Emergency Power Control	
Cat. No.	**Description**
ECS00-DDW	Emergency Power Control, 120-277V
ECS00-30W	Emergency Power Control, 347V