

# Lighting Controls

DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_

TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_

CATALOG #: \_\_\_\_\_

## UL924 FLUSH MOUNT EMERGENCY LOAD CONTROL RELAY

EMERGENCY LIGHTING CONTROLS

### FEATURES

- 20 Amp 120/277VAC relay
- Isolated 0-10V relay contact
- Utility & Emergency Power Indicator LEDs
- Integral test button
- Unique Patented Automatic Diagnostic self-test
- Slim, attractive flush mount profile
- No minimum load requirement



### SPECIFICATIONS

#### CONSTRUCTION

- Flush plate: 4.75" (120.65mm) H x 2.75" (69.85mm) L x .75" (19.05mm) W
- Recessed body: 2.875" (73.025mm) H x 1.75" (44.45mm) L x 1.75" (44.45mm) W
- Mounting: 4-11/16" Junction Box w/ single gang plaster
- Shipping: 8 oz. / White

#### ELECTRICAL

- Relays and Contact Type
  - One (1) SPST continuous duty electrically held coil
- Contact Ratings
  - Ballast: 20 Amp @ 120/277 VAC

#### ELECTRICAL (CONTINUED)

- Contact Ratings (Continued)
  - Incandescent: 1800W (120V) / 1500W (277V)
- Coil Current
  - 0.06 A @ 120VAC; 0.06 A @ 277VAC
- Coil Voltage Input
  - 120 or 277VAC; 60Hz

#### OPERATING ENVIRONMENT

- Indoor use only
- 32° to 140°F
- Relative humidity (non-condensing): 0%-95%

#### CERTIFICATIONS

- UL Listed
- UL924
- House Rating: UL2403 Plenum
- Flame Rating: UL94-5VA

#### WARRANTY

- 5 year limited

### ORDERING GUIDE

Example: UL924EPC1D-UNV

CATALOG #

#### Model

**UL924EPC1D-UNV<sup>1</sup>** Flush Mount UL924 Emergency Load Control Relay with test button and provision for override of 0-10 volt dimming to full light

#### Notes:

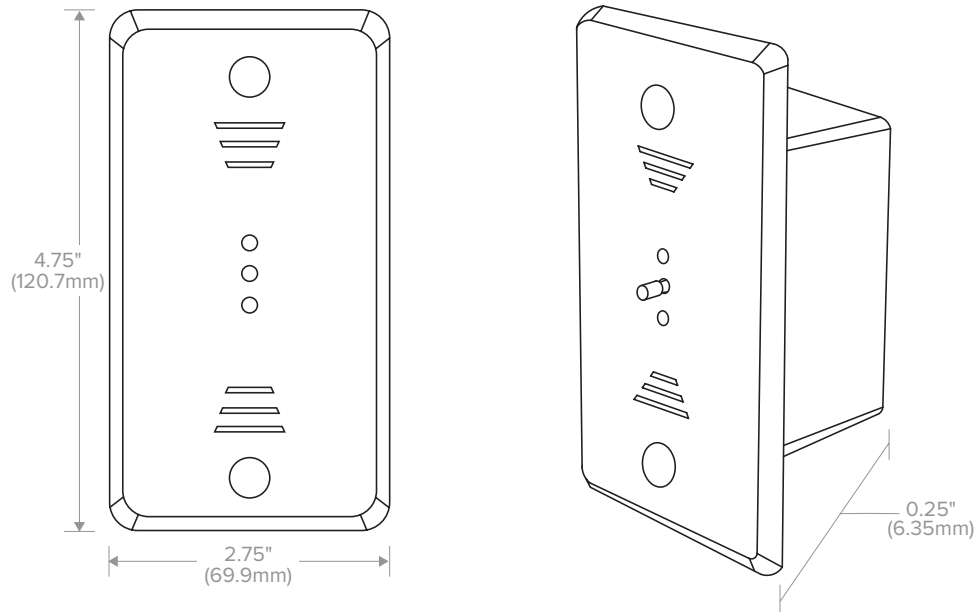
- 1 UL924 products with 0-10 volt dimming automatically revert to full light upon loss of power

# Lighting Controls

## UL924 FLUSH MOUNT EMERGENCY LOAD CONTROL RELAY

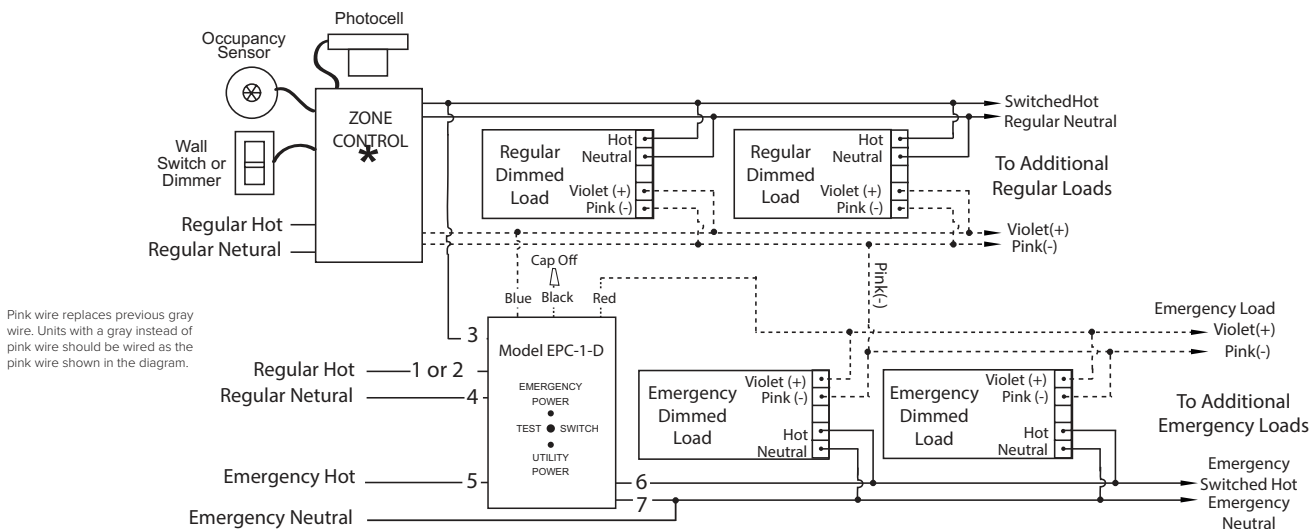
EMERGENCY LIGHTING CONTROLS

### DIMENSIONS



### ADDITIONAL INFORMATION

#### Wiring Diagrams



| REGULAR POWER WIRING |        |                    |
|----------------------|--------|--------------------|
| Wire #               | Color  | Connection         |
| 1                    | Black  | Regular Hot (120V) |
| 2                    | Orange | Regular Hot (277V) |
| 3                    | Red    | Switched Hot       |
| 4                    | White  | Regular Neutral    |

| EMERGENCY POWER WIRING |                   |                      |
|------------------------|-------------------|----------------------|
| Wire #                 | Color             | Connection           |
| 5                      | Blue              | Emergency Hot (120V) |
| 6                      | Yellow            | Emergency Load Hot   |
| 7                      | White/Blue Stripe | Emergency Neutral    |

| PLENUM CABLE B LOW VOLTAGE WIRING |                           |
|-----------------------------------|---------------------------|
| Blue                              | Dimmer Violet (+)         |
| Red                               | Emergency Load Violet (+) |
| Black                             | Cap Off                   |

#### Note:

Zone Control device can be any combination of the following:

- Intelligent zone controller including both low voltage dimming output and line voltage switching output.
- Line voltage switching devices (such as occupancy sensor contact, time clock, relay panel) and low voltage dimming devices including photocells, wall dimmers, and other low voltage dimming signals (0-10V or digital).

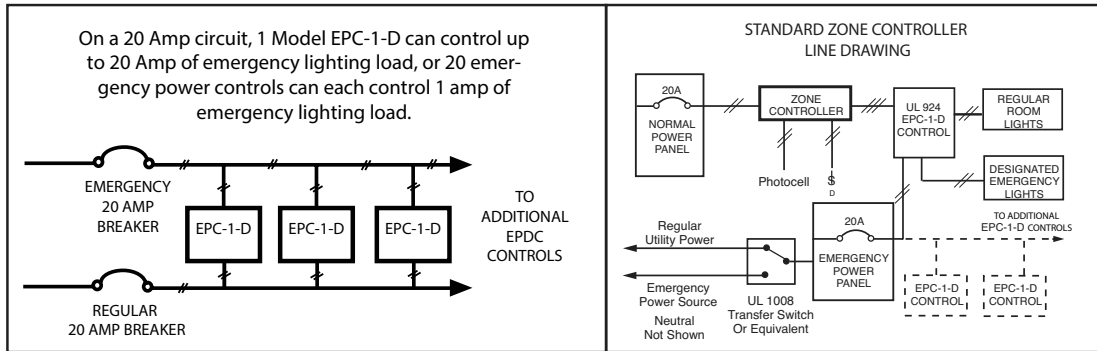
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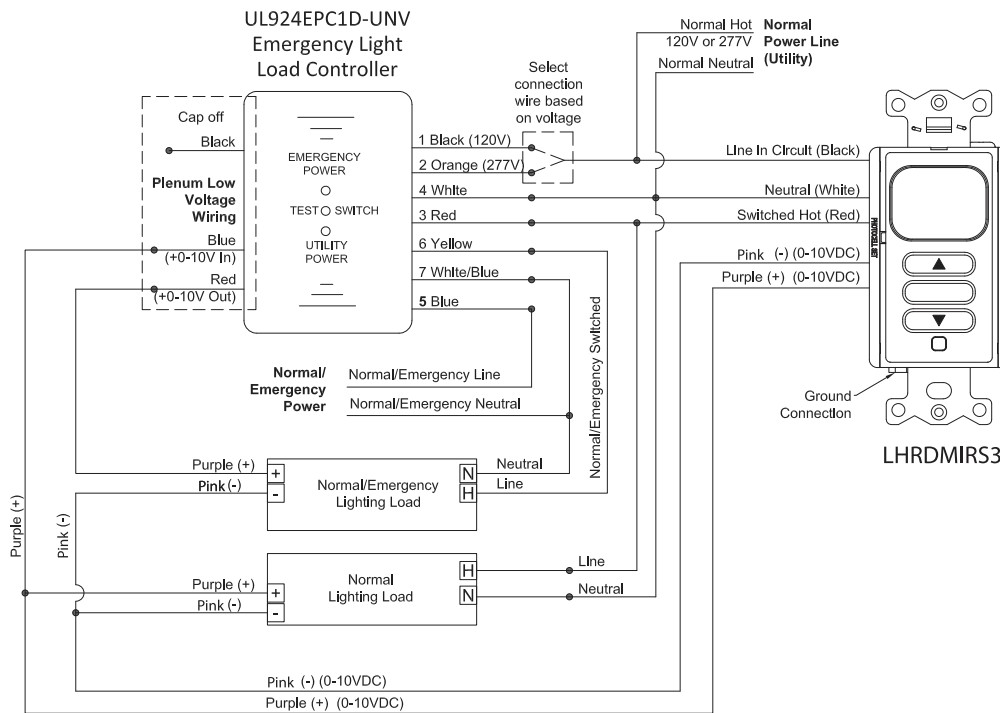
EMERGENCY LIGHTING CONTROLS

### ADDITIONAL INFORMATION (CONTINUED)

#### Wiring Diagrams (Continued)



Single Line Drawings



Pink wire replaces previous gray wire. Units with a gray instead of pink wire should be wired as the pink wire shown in the diagram.

Split Control with UL924EPC1D and Dimming LightHAWK

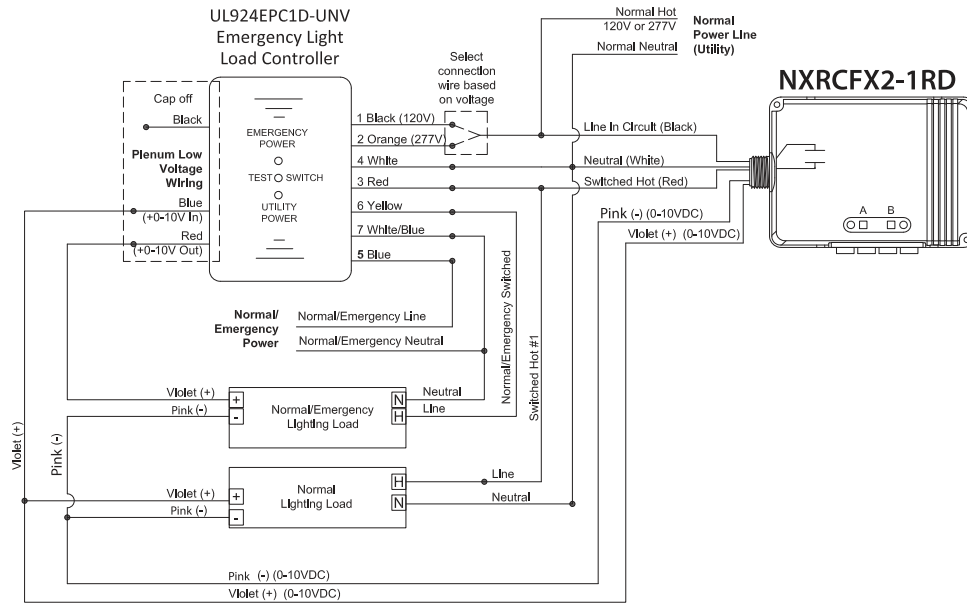
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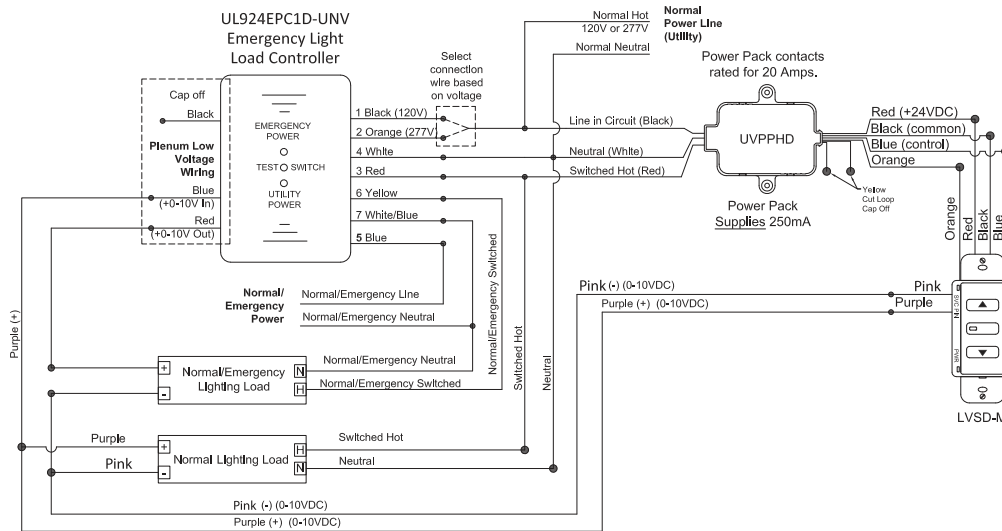
EMERGENCY LIGHTING CONTROLS

### ADDITIONAL INFORMATION (CONTINUED)

#### Wiring Diagrams (Continued)



Split Control with UL924EPC1D and NX Room Controller 1RD



Pink wire replaces previous gray wire. Units with a gray instead of pink wire should be wired as the pink wire shown in the diagram.

Split Control with UL924EPC1D and UVPPHD / Low Voltage Dimming Switch