LUT-ALCR-D

Emergency Power Control
For 4-Wire Dimmable Loads
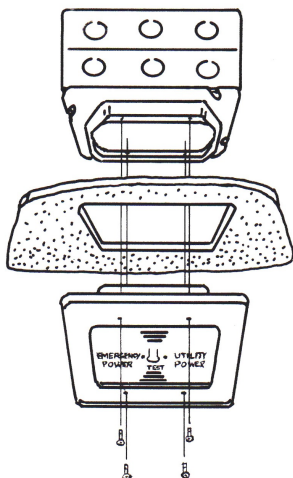
Project: _____

Model No.: _____

Comments: _____

MOUNTING

LED COMPATIBLE

c(UL)us
UL924 LISTED

5 YEAR
WARRANTY

0-10 V Dimmer
Compatible
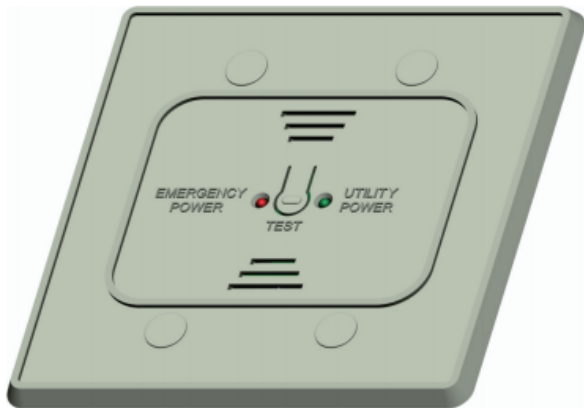
APPLICATION

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 LUT-ALCR-D, to convert normal light fixtures into approved emergency lights. The LUT-ALCR-D 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 LUT-ALCR-D automatically bypasses the normal lighting controls, turning the emergency lights ON at full brightness, regardless of dimmer position.

The LUT-ALCR-D is ceiling or wall mounted in a junction box with a single gang plaster ring and is usually located in the area where the emergency fixtures are installed.
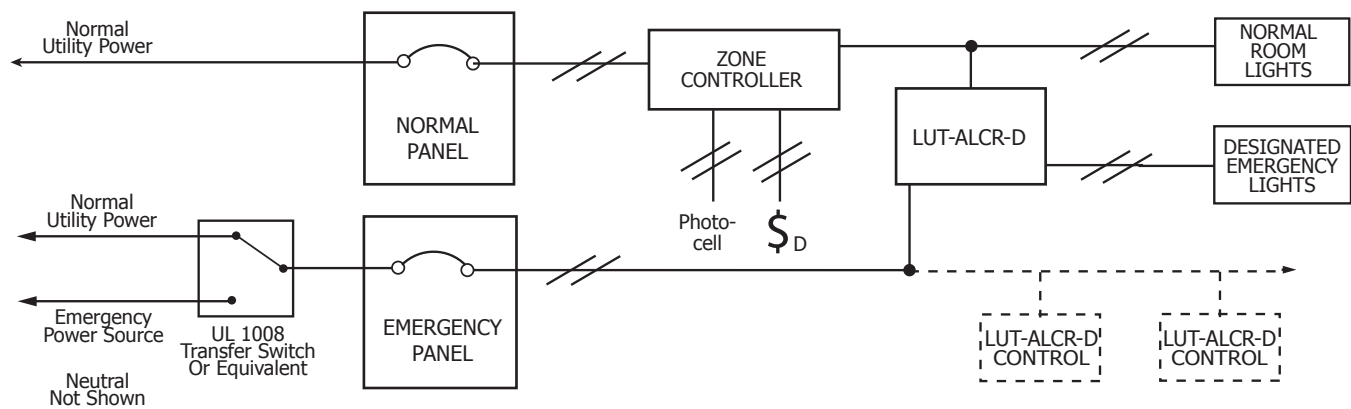
FEATURES

- 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 LUT-AL-CR-D will run a 2.5 self-test routine, verifying that the emergency power source was available and that the LUT-ALCR-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.
- Fire Alarm, Remote Test & 0-10V Dimming Option
- Utility & Emergency Power Indicator LED's
- Slim, attractive flush mount profile allows easy access to manual test switch and LED's.
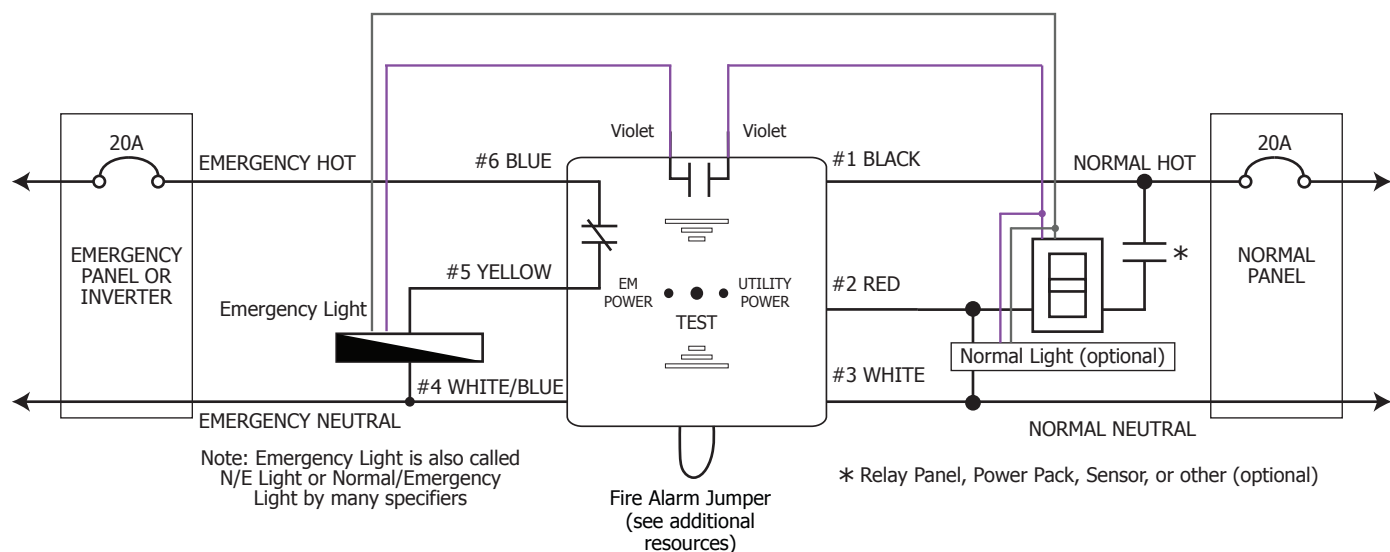
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SINGLE LINE DRAWING

Normal Utility Power →
NORMAL PANEL → ZONE CONTROLLER → NORMAL ROOM LIGHTS

Photo-cell $D

LUT-ALCR-D → DESIGNATED EMERGENCY LIGHTS

Normal Utility Power →
Emergency Power Source →
UL 1008 Transfer Switch Or Equivalent
Neutral Not Shown

EMERGENCY PANEL →

LUT-ALCR-D CONTROL   LUT-ALCR-D CONTROL

WIRING DIAGRAM

20A — EMERGENCY HOT — #6 BLUE

Violet   Violet

#1 BLACK — NORMAL HOT — 20A

EMERGENCY PANEL OR INVERTER

NORMAL PANEL

Emergency Light

#5 YELLOW

EM POWER ● ● ● UTILITY POWER

TEST

#2 RED

Normal Light (optional)   *

#4 WHITE/BLUE

#3 WHITE

EMERGENCY NEUTRAL

NORMAL NEUTRAL

Note: Emergency Light is also called N/E Light or Normal/Emergency Light by many specifiers

Fire Alarm Jumper (see additional resources)

* Relay Panel, Power Pack, Sensor, or other (optional)

SPECIFICATIONS

ELECTRICAL		
MODEL NO.	LUT-ALCR-D
SENSING INPUT	120V - 277V
LOAD RATING	120V - 277V (20A)
BALLAST LOAD RATING	20A (120-277V)
INCANDESCENT LOAD	1200W (120V) / 1500W (277V)
WARRANTY	5 Year Replacement Warranty

MECHANICAL		
MOUNTING	4-11/16" Junction Box w/ single gang plaster
RATING	UL94-5VA
SHIPPING WEIGHT / COLOR	12 oz. / White
TEMPERATURE	32ºF - 140ºF (0ºC - 60ºC)
FLUSH MOUNTED SIZE	5" x 5" x 0.2" (W X L X D)
BODY SIZE	3.5" x 2.75" x 1.5" (W X L X D)

ORDERING INFORMATION

LUT-ALCR-D

ADDITIONAL RESOURCES

- Installation Sheet
- FAQ Sheet
- Alternative Wiring Sheet
- Terms & Conditions/Warranty Information
- Fire Alarm Tie-In/Override
  www.lvscontrols.com/assets/UL924FAI.pdf