



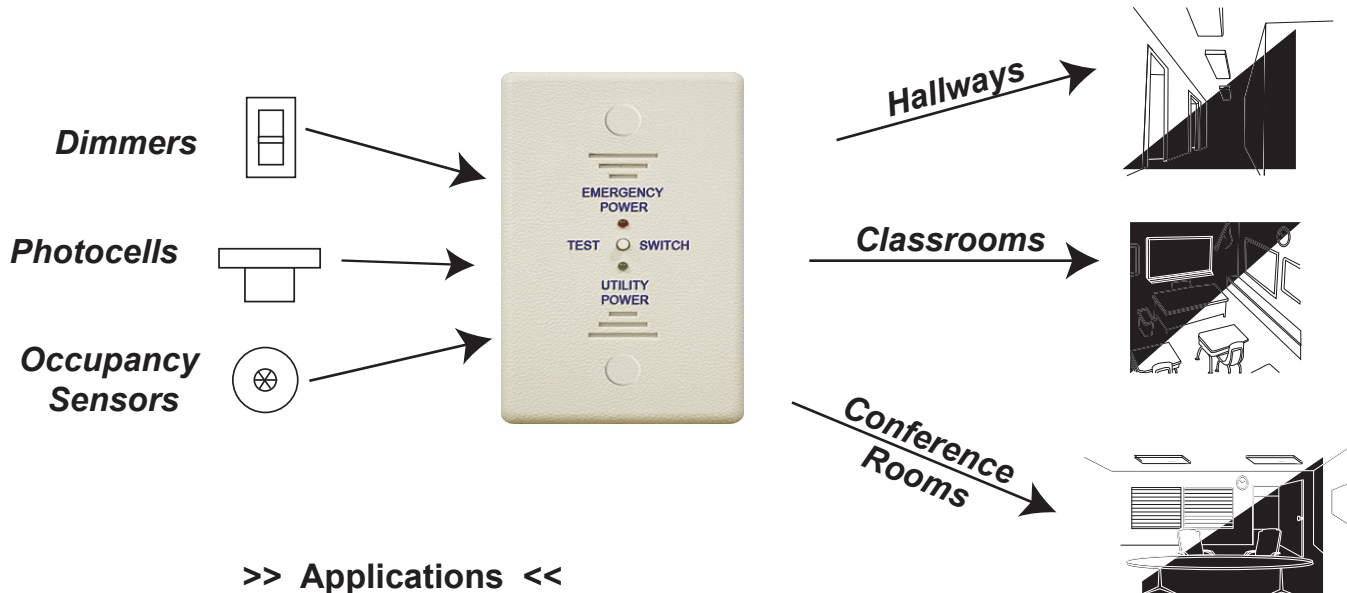
MODEL LUT-ALCR-D-HV-347V

Heavy Duty Emergency Power Dimmer Control
Automatic Diagnostic and Manual Test Features

FOR 4 WIRE DIMMABLE LOADS (0-10V and Low Voltage Digital Dimming)



Save maximum energy through dimming & still meet safety codes during power failure



>> Applications <<

Model LUT-ALCR-D-HV-347V allows switching & dimming of emergency luminaires during normal operation & automatically brings emergency luminaires to full brightness during a utility power interruption.

- 0-10V Dimming Controls
- Low Voltage Digital Dimming Systems including DALI, and others.

0-10V / Digital Override **Universal Compatibility**

Drives emergency loads to full brightness during power interruption and testing, ensuring compliance with code and compatibility with all controls and loads without the need for an additional 20A branch transfer switch.

Automatic Testing Features

Patented 2.5 second automatic diagnostics checks emergency source, ALCR, ballast, & lamp(s).
Eliminates manual monthly testing and is approved for this purpose.

Integral Test Switch & LED Status Indicators

Integral test switch for easy initial footcandle verification

 Power indicator LED's verify wiring & simplify troubleshooting

Power Supervision Redundancy

Emergency luminaire and red supervision LED will not illuminate if emergency supply is disconnected during normal operation

Provides Immediately Visible warnings

LVS Emergency Power Controls are tested, approved, and listed by Underwriters Laboratories under UL 924 standards for designated emergency light fixture controls. They meet and exceed all pertinent code requirements from NEC, NFPA, OSHA, and life safety codes, in addition to major local codes.

All model LUT-ALCR-D-HV-347V are tested burned in during production.

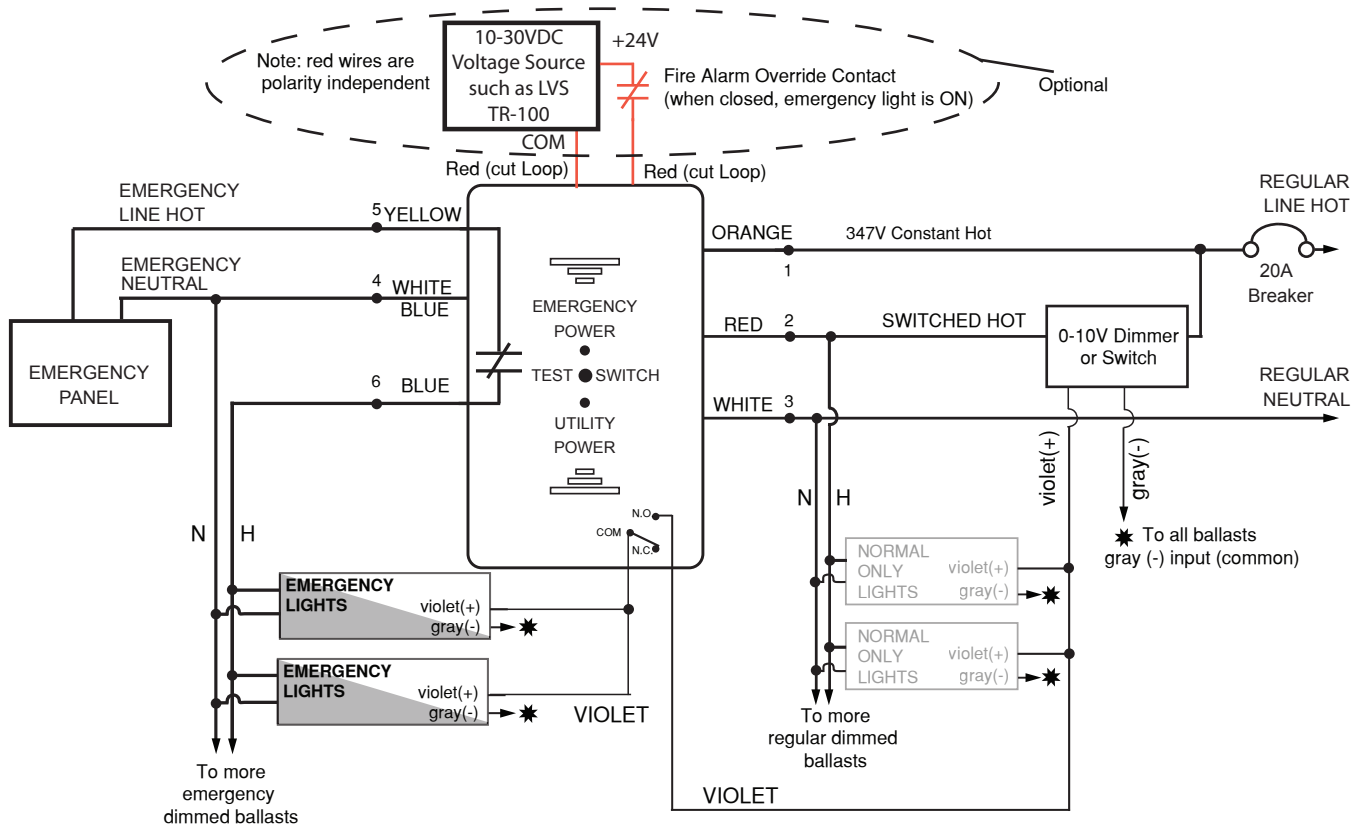
5 YEAR LIMITED WARRANTY

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Model LUT-ALCR-D-HV-347V Wiring

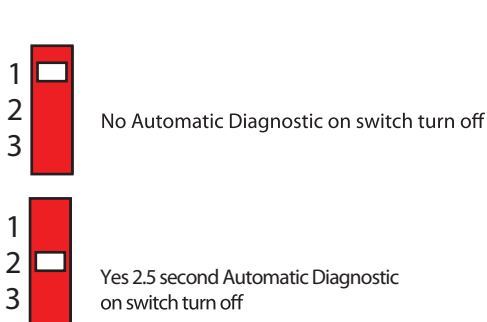


NOTE: Normal only lights are optional.

Theory of Operation

During normal operation, the dimmer will control both the regular and the emergency lights together. During a regular power interruption, the emergency lights will be ON and the violet wire is interrupted, ensuring the emergency lights are at 100% (full) brightness.

Slide Switch Options



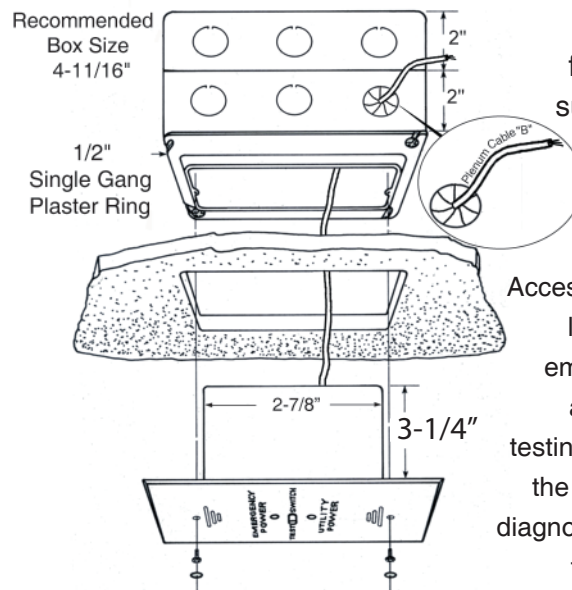
Electrical Specifications

347V Sensing Input ,
347V Load
15A General Use & Ballast Load (347V)
Voltage Surge Protection
cUL listed to UL924

Mechanical Specifications

Shipping Weight: 12 oz | Color : White
Temperature: 32°F - 140°F
Flush Mounted Size: 4-3/4" x 2-3/4" x 1/4"
Body Size: 2-7/8" x 1-3/4" x 3-1/4"
UL94-5VA Rating: Safe for installation
above the suspended ceiling.

Mounting



Can be mounted
flush or above the
suspended ceiling *

Accessibility requirements
limit the mounting of
emergency controls to
accessible areas for
testing reasons, however
the automatic
diagnostic exempts it from
these requirements.

Initial Testing, Troubleshooting & Maintenance of LUT-ALCR-D-HV-347V

In a new installation, where 10 or 100 separate devices may be used, each having as many as 14 wires to be correctly connected, it is important that a fast convenient method is used to check the connections. In order to test that the wires are connected correctly, without any inconvenience to other occupants, do not turn off regular utility supplied power or turn on the emergency generator until you have checked each LUT-ALCR-D-HV-347V device and light fixtures as follows:

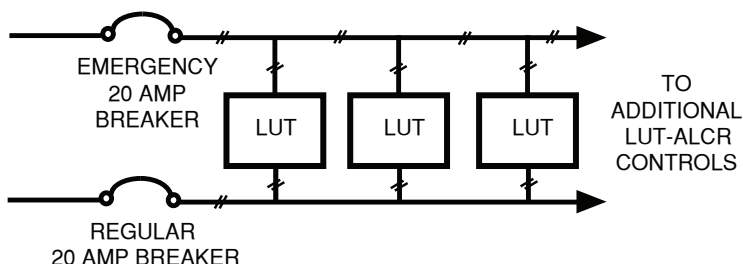
When room switch is on & dimmer is at full-bright setting, emergency & regular fixtures should be illuminated at full-bright.

- 1) To test normal operation, ensure branch circuit breaker is connected and utility power is available. If green LED is not illuminated, confirm wiring connections and continuity to branch panels.
- 2) To test emergency operation, turn room switch to "OFF" position. Press and hold test button and ensure emergency lights are illuminated. Depending on DIP switch setting, red LED may be on at all times, or only sometimes, this is normal. (Default is red LED on all times).

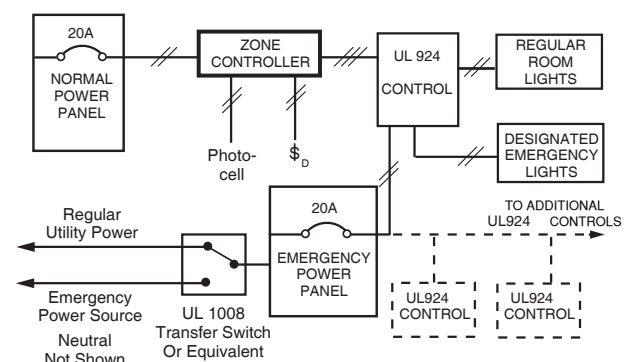
No maintenance is required to keep the device functional. However, regular testing should be performed when the lamps or ballasts have been replaced or when facility remodeling has taken place.

Single Line Drawings

On a 20 Amp circuit, 1 Model LUT can
control up to 15 Amp of emergency lighting load,
or 20 emergency power controls can each control
1 amp of emergency lighting load.



STANDARD ZONE CONTROLLER LINE DRAWING



BLANK