

## ALCR-D10L

10 A Emergency Lighting Automatic Load Control Relay



### Specifiers reference:

Project: \_\_\_\_\_  
Type: \_\_\_\_\_  
Model #: \_\_\_\_\_  
Comments: \_\_\_\_\_

### Product Summary

**Approvals** ..... UL Listed to UL924  
**Normal Power Supply Voltage** ..... 120-277 Vac 50/60 Hz  
Universal Input

**Emergency Power Supply Voltage** ..... 120-277 Vac 50/60Hz  
( Switching)

**Relay Contact Ratings**  
10 A Electronic LED Driver @120Vac or @277 Vac  
10A Magnetic Ballast @120 Vac or @277 Vac

**0-10 Dimmer Vdc Override** ..... for emergency full  
illumination

**Dimmer Contact Switching** ..... 120mA @250V

**Test Switch and Normal Power Indicator** ..Quick Connect IP65 rated

**Fire Alarm Interface** . . . . .Order Optional Test Switch - RTS-FAP

**Weight** ..... 0.85 lbs.

**Mounting** ..... Ballast channel

**Dimensions** ..... 9.5"L x 1.7"W x 1.14"H

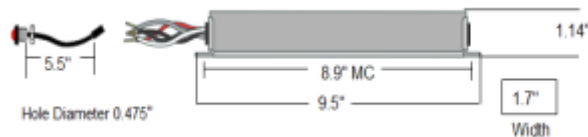
**Case** ..... Aluminum Case

**Operating Temperature** ..... -4° to 131° F (-20° to 55° C)

**Warranty** ..... 5 years full

All Specifications are subject to change without prior notification

Mounting Configurations:



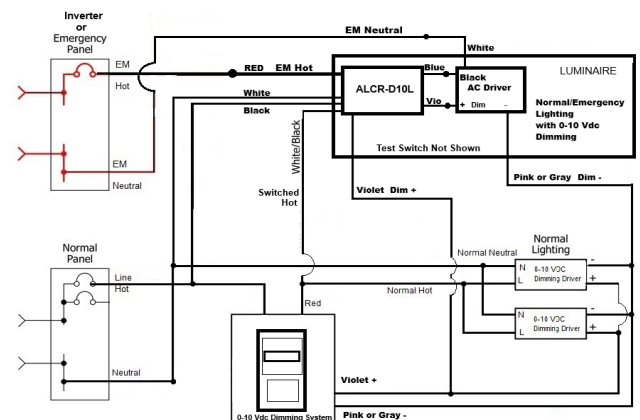
### Description

The Assurance Emergency Lighting ALCRD10L automatic load control / bypass relay uses normal room controls to turn ON/Off/ 0-10 Vdc dim the emergency fed lighting fixtures. In the event of a power failure, the emergency luminaires connected to the ALCR-D10L will power to full on from the (Inverter or generator) emergency source .

### Specifications

Emergency lighting shall be provided by using existing lighting loads equipped with an Assurance Emergency ALCR-D10L automatic load control relay. The device shall be capable of serving as an Automatic Load Control Relay or bypass for local switching means when normal utility power has been lost. The ALCR device shall work in conjunction with auxiliary generators and inverters to turn ON switched or 0-10 Vdc dimmed lighting fixtures to full power in the event of a normal power failure.

These load control relays shall consist of relay switching circuitry, a Quick Connect IP65 rated normal power indicator light test switch and 9.5" L x 1.7" W x 1.14" H aluminum enclosure; shall sense normal power (universal input 120 through 277 Vac, 50/60Hz) and switch up to 10 amps (@120 or 277 Vac) for LED drivers or magnetic ballast lighting loads; shall be compatible with 0-10 Vdc dimming controls and allow for override to full illumination; and shall be comply with the current National Electrical Code. The device shall be UL Listed (UL924) for factory or field installation with indoor luminaires, and plenum or damp locations and warranted for a full 5 years from date of purchase.



Assurance Emergency Lighting, a division of Assurance Engineering LLC

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