ALCR-D5

5 Amp UL924 Listed Emergency Lighting Automatic Load Control Relay

Assurance Emergency Lighting

Specifiers reference:

Project: _____

Type: _____

Model #: _____

Comments: _____

Product Summary

Approvals.....UL Listed to UL924
Normal Power Supply Voltage.....120-277 Vac
Normal Power Supply Frequency.....50/60 Hz
Normal Supply Current Usage.....39 mA (max)
Emergency Power Supply Voltage.....120-277 Vac
Emergency Power Supply Frequency.....50/60Hz
Emergency Power Supply Usage.....90 mA
Relay Contact Ratings (SPST)..... 5 A Electronic Ballast
5 A Magnetic Ballast
0-10 Vdc Dimmer Override.....for emergency full illumination
Dimmer contact switching.....1A @ 30Vdc max.
Operation and Status Indicators ...Normal, EM and Load Power
Remote Test Input..... Class 2 Dry Contacts for Remote Test Switch or Fire Alarm Panel Contacts
Optional Remote Test Switch* ..TB-D1020 or RTS-ALCR-D520
Weight..... 0.45 lbs.
Mounting.....Ballast channel mounting
Dimensions.....5.6" L x 1.4" W x 1.0" H
Case.....NEMA 1
Operating Temperature..... -30° to 140° F (-35° to 60° C)
Warranty..... 5 years full

All specifications subject to change without prior notification.
* Optional Remote Test Switch Sold Separately

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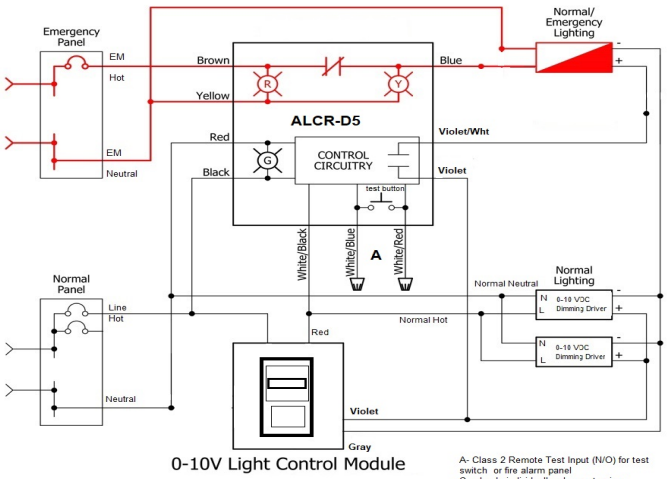
MADE IN U. S. A.

Description

The Assurance Emergency Lighting automatic load control/ bypass relay ALCR-D5 allows the use of auxiliary generators and inverters to turn on switched or dimmed lighting fixtures to full power in the event of an emergency situations or mains power loss.

Specifications

Emergency lighting shall be provided by using existing lighting loads equipped with an Assurance Emergency Lighting ALCR-D5 control device. The device shall be capable of serving as an Automatic Load Control Relay or bypass for the local switching means when normal utility power has been lost. The ALCR-D5 shall consist of relay switching circuitry, an integral test switch, a normal, load & emergency power indicator lights contained in one 5.6" L x 1.4" W x 1.0" H NEMA 1 enclosure; shall sense normal power at 120 through 277 VAC, 50/60 Hz; shall be rated to switch 120 through 277 VAC, 50/60 Hz at up to 5 amps (@277 VAC) for electronic or magnetic drivers/ballast lighting loads. It shall be compatible with 0-10 Vdc dimming drivers and allow for override for full illumination; shall draw 39 mA during normal sensing operation. The device shall have remote test inputs (dry contacts) for an alternate test switch or for fire alarm panel contact switching. It shall comply with current National Electrical Codes and be UL Listed (UL924) for field or factory installation in indoor or damp locations and shall be warranted for a full five years from date of purchase.



Typical Wiring Diagram