

## GENERAL INFORMATION

The Automatic Load Control Relay (ALCR) is a UL 924 Listed emergency device that is powered from an always-available normal/emergency source fed by an upstream emergency transfer switch. The ALCR provides power to emergency lighting load(s) by bypassing switches or other controls upon loss of utility power and ensuring a "lights-on state" during loss of normal power while tracking the state of normal lighting loads during normal operation.

### APPLICATIONS

- Conference Centers
- Hotels
- Dorms
- Office buildings
- Government buildings
- Restaurants
- Schools
- Houses of worship
- Theaters

### FEATURES

- 120V and 277V power systems
- Automatically activates lighting upon loss of normal power
- Provides remote activation by dry contact closure for connection to a fire alarm or building management system
- Configurable "return-to-normal" delay of 0-15 minutes
- Simple installation; fitted with a 1/2" nipple for permanent installation directly to an electrical junction box
- Maintenance-free

## ORDERING INFORMATION

### Unison Aero® Relay Controller Sensor

MODEL	DESCRIPTION
ALCR-PP	Automatic Load Control Relay (Power Pack)

## SPECIFICATIONS

### GENERAL

- UL 924 Listed
- UL 2043 plenum rated

### FUNCTIONAL

- Automatic control of emergency power output to fixture or single-zone emergency lighting upon loss of normal power
- Supports fire alarm input activation of emergency power output
- Configurable return to normal delay settings of instant, 10 seconds, 30 seconds, 10 minutes, or 15 minutes

### MECHANICAL

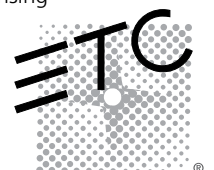
- 1/2" conduit knockout mounted
- Constructed of UL 94 V-0 approved injection-molded ABS
- Remote and status LEDs
- Two buttons shall be available to select optional return to normal delay and output test

### ELECTRICAL

- 120/277 VAC, 60Hz power input
- Normally closed (NC), 20A fully-rated relay
- 2 LEDs:
  - Red: Power (steady when active)
  - Green: Learn (blinks when active)
- 12 AWG emergency power in and out wires on flying leads
- 18 AWG sense and switch wires on flying lead
- Remote activation switch can be located up to 1000 feet from ALCR

### THERMAL

- Ambient room temperature: -10 to 45°C / 14 to 113°F
- Ambient humidity: 5 to 95% non-condensing



PHYSICAL

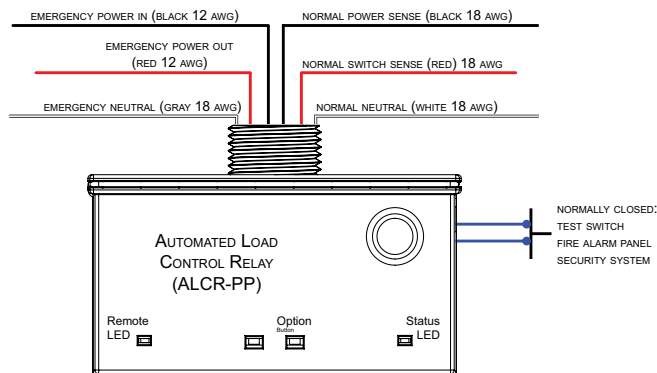
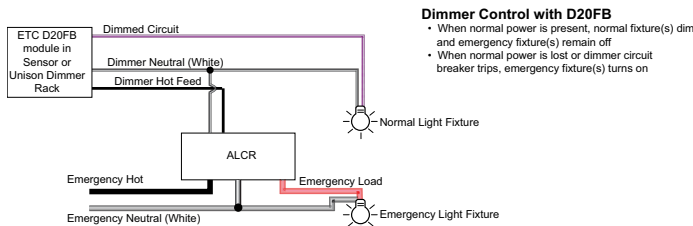
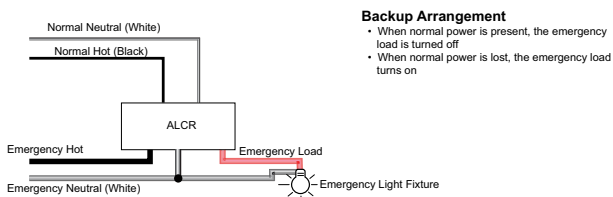
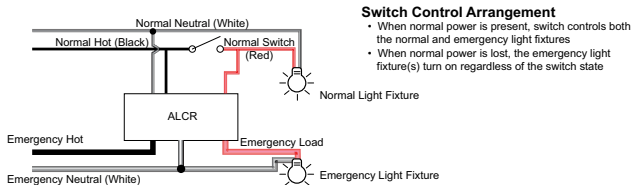
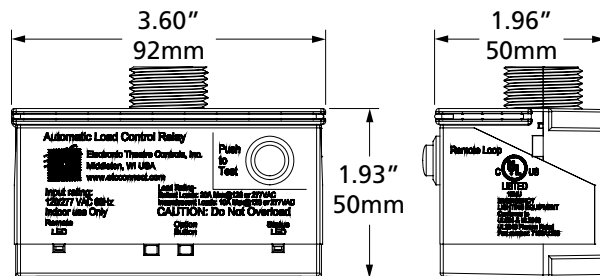
**Unison Aero® Relay Controller Dimensions\***

MODEL	HEIGHT		WIDTH		DEPTH	
	inches	mm	inches	mm	inches	mm
ALCR-PP	1.93	50	3.60	92	1.96	50

**Unison Aero Relay Controller Weights\***

MODEL	WEIGHT		SHIPPING WEIGHT	
	ounces	grams	ounces	grams
ALCR-PP	14.0	397	15.2	431

\*Weights and dimensions typical



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