

Overview

The Emergency Bypass Load Controller is a UL 924 listed device that is powered from an emergency source and provides power to emergency lighting load(s). The controller ensures a “lights on state” during loss of normal power while tracking the state of normal lighting loads during normal operation. The EREB-A also assures a “lights on” override by utilizing a normally closed emergency contact closure which interfaces with fire alarms and emergency systems.

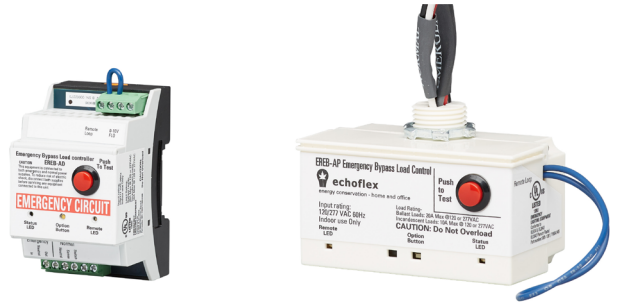
The EREB is available in two models for installation convenience including a “power pack” format (EREB-AP) and DIN-rail (EREB-AD).

As an integral component to the normal lighting system, the EREB monitors circuit power and control of the lights via other devices and operates the emergency lights in conjunction with normal lighting. In the event of a power loss, the emergency lights are immediately operated.

The EREB can also be wired as a shunt around circuit switching or dimming devices so lights operate in emergency conditions.

The EREB is ideally suited for retrofit or new construction applications where emergency circuits are lit 24 hours. Integrating these circuits with the lighting system saves energy while strictly adhering to NEC requirements.

The EREB is compatible with lighting control systems, schedulers, motion based lighting, and dimming systems.



Features

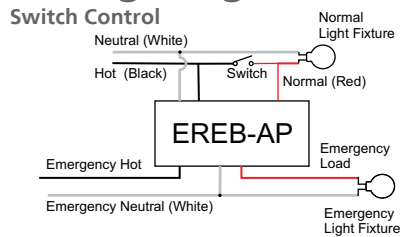
- Automatic control of emergency power output to fixture or single zone emergency lighting upon loss of normal power
- 120V and 277V power systems
- Normally closed, 20A fully-rated relay
- Automatically activates lighting upon loss of normal power
- Provides remote activation by dry contact closure for connection to a fire alarm or building management system
- Remote activation switch can be located up to 1000 feet from the EREB-A controller
- Test button with LEDs for field testing and verification
- Option button for configurable “return to normal” delay of 0-15 minutes (for loads that require warm up time (ie. HID lamps)
- Remote and Power status LED’s
- Power Pack model is fitted with a 1/2” nipple for permanent installation directly to an electrical junction box or
- DIN-rail mounting model available for attachment to lighting control panels or electrical enclosures. Compatible with DIN 43880 and DIN EN 60715
- UL/cUL 924 Listed
- UL 2043 Plenum rated (EREB-AP model only)

Ordering Information

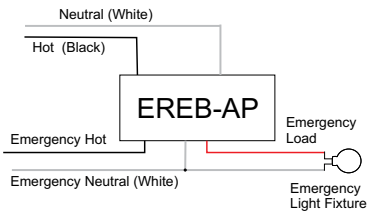
Description	Model #	Part #
Emergency Bypass Load Controller - Power Pack (1/2” nipple mount), 120/277VAC	EREB-AP	7180A1405
Emergency Bypass Load Controller - DIN-rail, 120/277VAC	EREB-AD	7180A1406

EREB-A

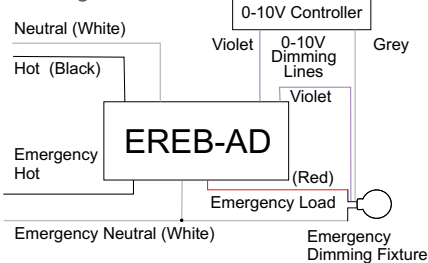
Wiring Diagram



Backup Arrangement

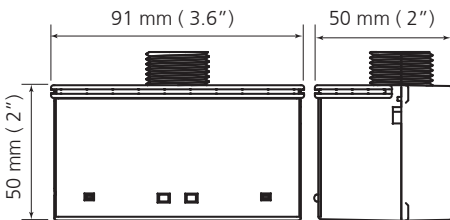


Dimming Control

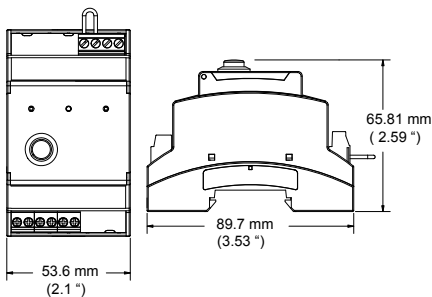


Dimensional Diagram

EREB-AP



EREB-AD



Functional Specifications

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, 10s, 30s, 10min, or 15min

For Indoor use only

Hardware Specifications

Power Supply	120/277 VAC, 60 Hz
Power Consumption	5.0 W max. full load
Outputs	Ballast load rating: 20A @ 120 or 277 VAC, Incandescent loads: 10A max @ 120 or 277VAC EREB-AD model only: Auxiliary contact for low voltage 0-10V lines on dimming ballasts
Inputs	Option button, Test Button
Outputs	Power Status and Remote LEDs
Emergency Load	12 AWG Emergency in and out power wires 18 AWG Sense and switch wires remote activation switch can be located up to 1000 feet from EREB-A

Mechanical Specifications

Operating Temperature	-10° C to 45° C (14° F to 113° F) ambient
Relative Humidity	5% to 95% RH (non-condensing)
Weight - EREB-AP	158 g (5.5 oz)
Weight - EREB-AD	136 g (4.8 oz)
Dimensions - EREB-AP	91 x 50 x 50 mm (3.6 x 2.0 x 2.0")
Dimensions - EREB-AD	89.7 x 53.6 x 65.8 mm (3.5 x 2.1 x 2.6 ")
Mounting - EREB-AP	½ " nipple
Mounting - EREB-AD	DIN 43880 and DIN EN 60715

Agency Listing & Compliance

Safety

Conforms to UL Standard 924

UL 2043 Plenum rated (EREB-AP model only)



Specifications are subject to change without notification.