

BAL700 Series

Fluorescent Emergency Ballast

INTENDED USE:

The BAL700 fluorescent emergency ballast works in conjunction with the AC ballast to convert new or existing fluorescent fixtures into emergency lighting. The emergency ballast consists of a high-temperature nickel cadmium battery, charger and electronic circuitry in one compact red case. This ballast can be used with most 17W through 110W (2'-8') T8, T10, or T12 fluorescent lamps without integral starters, including U-shaped, HO, VHO, Circline, Energy Saving and 4-pin long compacts. It is also compatible with most 1, 2, 3 and 4-lamp electronic, standard, Energy Saving and dimming AC ballasts. If used in an emergency only fixture, no AC ballast is necessary. The BAL700 is not suitable for use in air handling heated air outlet fixtures, and wet or hazardous location fixtures. For information about specific lamps and ballast compatibility please call the factory.



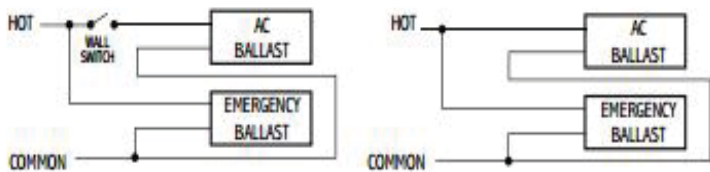
For two-lamp emergency operation

OPERATION

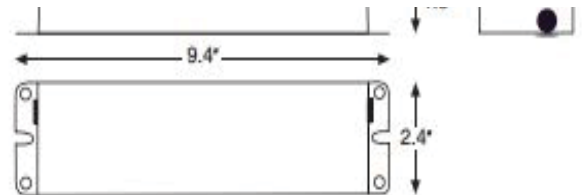
When AC power fails, the BAL700 immediately switches to the emergency mode, keeping either one lamp illuminated at a reduced lumen output for a minimum of 90 minutes. When AC power is restored, the BAL700 automatically returns to the charging mode.

INSTALLATION

The BAL700 does not affect normal fixture operation and may be used with either a switched or unswitched fixture. If a switched fixture is used, an unswitched hot lead must be connected to the emergency ballast. The emergency ballast must be fed from the same branch circuit as the AC ballast. The BAL700 may be installed inside on top of or remote from the fixture. The emergency ballast may be remotely installed up to half the distance the AC ballast manufacturer recommends removing the AC ballast from the lamp or up to 50 feet, whichever is less. Installation is not recommended with fixtures where the ambient temperature may fall below 0°C for extended periods.



Primary circuit only Lamp leads not shown.



BATTERY

Since high temperatures exist in fluorescent fixtures, the BAL700 uses a specially constructed, high-temperature nickel cadmium battery. This battery requires no maintenance and has a life expectancy of 7- 10 years.

EMERGENCY ILLUMINATION

The BAL700 produces 600-700 lumens initial emergency light output with two (2'-4') T8, T10 or T12 lamps. If two lamp operation is selected, light output is evenly divided between the lamps for better distribution of emergency illumination. Lumen output will be less with one lamp operation or with a compact fluorescent lamp.



BAL700 Series

Fluorescent Emergency Ballast

SPECIFICATIONS

Emergency lighting shall be provided by using a standard fluorescent fixture equipped with a Texas Fluorescents BAL700 emergency ballast. This emergency ballast shall consist of a high temperature, maintenance free nickel cadmium battery, charger and electronic circuitry contained in one 9 3/8" x 2 3/8" x 1 1/2" red metal case. . A solid state charging indicator light to monitor the charger and battery, a single pole test switch and installation hardware shall be provided. The emergency ballast shall be capable of operating one 17W-40W (2'-4') T8, T10 or T12 fluorescent lamps or 4-pin long compact fluorescent lamp in the emergency mode for a minimum of 90 minutes. The BAL700 shall produce 600-700 lumens initial emergency light output, have 3.5W of input power, have a 14.4W/hr battery capacity and comply with emergency standards set forth by the current NEC. The emergency ballast shall be UL listed for installation inside on top of or remote from the fixture, and shall be warranted for a full year from the date of purchase, and made in the USA.

WARRANTY

Model BAL700 is warranted for five (5) full years from date of purchase. This warranty covers only-properly installed Texas Fluorescent emergency ballasts used under normal conditions. For the warranty period Texas Fluorescents will, at its option, repair or replace without charge, a defective emergency ballast provided it is returned to the factory transportation prepaid and our inspection determines it to be defective under terms of the warranty. Repair or replacement, as stated above, shall constitute the purchaser's exclusive warranty, which does not extend to transportation, installation, labor or any other charges; nor does it apply to any equipment of another manufacturer used in conjunction with the emergency ballast.

UL AND CODE COMPLIANCE

The BAL700 has been tested by Underwriters Laboratories in accordance with the standards set forth in UL 924, "Emergency Lighting and Power Equipment," and is UL Listed for factory or field installation. Emergency illumination time exceeds the National Electrical Code (NEC), Life Safety Code (NFPA-LSC) and UL 90 minute requirements.

PRODUCT SUMMARY			
UL LISTED	DUAL VOLTAGE INPUT	BATTERY	TEMPERATURE RATING (AMBIENT)
Factory or field installation	120/277 VAC 60Hz	High-Temperature Maintenance Free Nickel-Cadmium Battery 7-10 year life Expectancy	0°C to+55°C (32° to 131°F)
ILLUMINATION	AC INPUT CURRENT	BATTERY CHARGING CURRENT	DIMENSIONS
90 Minutes	280mA	280mA	9.4" x 2.4" x 1.5" (238mm x 60mm x 38mm) Mounting center 8.9" (226mm)
INITIAL LIGHT OUTPUT	AC INPUT POWER RATING	RECHARGE TIME	WEIGHT
600-700 Lumens	3.5 Watts	24 Hours	2.5lbs (1.1 kg)
FULL WARRANTY	TEST SWITCH	CHARGING LIGHT INDICATOR	
5 years (NOT pro-rata)	Single pole	LED	