EMERGENCY BALLAST
WIRING GUIDE

rev. 103103
HOW TO USE
THE EMERGENCY BALLAST WIRING GUIDE

This Document has been customized to contain a wide library of individual diagrams for various installation applications. If a diagram cannot be found within this selection, consult Customer Service.

The diagrams are categorized primarily according to the number of lamps in the fixture, then followed by the ballast type. Sometimes a specific lamp type is listed (i.e: biax, circline, etc.). If a lamp type is not listed, the diagram shows a typical straight tube lamp configuration. In some cases, a specific ballast manufacturer is listed for AC ballasts that have unique wiring arrangements.

Diagrams for specific situations can be located within this PDF file by using the following methods:

1) USING THE NAVIGATION WINDOW
Use the Navigation window and select the Emergency Ballast for which the diagram is needed, then scroll through the list of applications to find the diagram(s) that meet the necessary criteria by clicking on the “plus” sign next to the Unit Model. (Many of the diagrams are bookmarked with identical descriptions. Examine the diagram for details as to whether or not it applies to your situation.)

NOTE: The order in which the pages are bookmarked is not indicative of the actual page order, therefore, continuing to the next page after a “Two Lamp Ballast” diagram may not necessarily take you to another “Two Lamp Ballast” diagram. To aid in locating specific diagrams, each has been bookmarked and categorized in the navigation window.

2) USING THE FIND COMMAND
Some diagrams feature a Model List for reference. If you know the actual model number of the AC ballast that the emergency unit is being wired to, you may use the “FIND” tool in the toolbar (Denoted by the binocular icon) to search the diagrams for that particular model. FIND commands may or may not be successful, since not all ballasts models are listed within this file.

When using the FIND command, it may be helpful to search for only the first few letters or numbers of the model number (i.e. “RCN” or “ECO”) due to the nature of how the reference lists are compiled. Include any hyphens or slashes that may appear in the model number when using the FIND command.

This Guide is by no means an exhaustive record of all AC Ballast/Emergency Unit combinations. If a search using the FIND command or Navigation window is not successful, contact Customer Service for further assistance.

You may request an updated Wiring Diagram Guide at anytime. Please consult Customer Service to find out if a later version with any additions and/or corrections is available.
TWO LAMP RAPID START BALLAST

* Operates in A.C. and emergency mode.

1. Select proper voltage lead.
2. Cap unused lead.
3. Do not mate connector until installation is complete and A.C. power is supplied.

Operates in A.C. and emergency mode.
Select proper voltage lead.
Cap unused lead.
Do not mate connector until installation is complete and A.C. power is supplied.
THREE LAMP RAPID START BALLAST

* Operates in emergency mode.
1. Select proper voltage lead. Cap unused lead.
2. Do not mate connector until installation is complete and A.C. power is supplied.
TWO LAMP INSTANT START BALLAST

* Operates in A.C. and emergency mode.
1. Select proper voltage lead. Cap unused lead.
2. Do not mate connector until installation is complete and A.C. power is supplied.
3. Pigtail leads together.

Operates in A.C. and emergency mode. Select proper voltage lead. Cap unused lead. Do not mate connector until installation is complete and A.C. power is supplied. Pigtail leads together.

Two Lamp Instant Start Ballast
2LISB_232

Emergency Ballast
Operates in A.C. and emergency mode.
Select proper voltage lead. Cap unused lead.
Do not mate connector until installation is complete and A.C. power is supplied.
Pigtail leads together.
THREE LAMP INSTANT START BALLAST

* Operates in emergency mode.
* Select proper voltage lead.
* Cap unused lead.
* Do not mate connector until installation is complete and A.C. power supplied.
* Pigtail leads together.

SWITCHED OR UNSWITCHED LINE
WHITE COMMON
UNSWITCHED LINE

OPERATES IN EMERGENCY MODE.
SELECT PROPER VOLTAGE LEAD.
CAP UNUSED LEAD.
DO NOT MATE CONNECTOR UNTIL INSTALLATION IS COMPLETE AND A.C. POWER SUPPLIED.
PIGTAIL LEADS TOGETHER.

OPERATES IN EMERGENCY MODE.
SELECT PROPER VOLTAGE LEAD.
CAP UNUSED LEAD.
DO NOT MATE CONNECTOR UNTIL INSTALLATION IS COMPLETE AND A.C. POWER SUPPLIED.
PIGTAIL LEADS TOGETHER.
FOUR LAMP INSTANT START BALLAST

* Operates in emergency mode.
① Select proper voltage lead. Cap unused lead.
② Do not mate connector until installation is complete and A.C. power is supplied.
③ Pigtail leads together.

Operates in emergency mode.
① Select proper voltage lead. Cap unused lead.
② Do not mate connector until installation is complete and A.C. power is supplied.
③ Pigtail leads together.
FOUR LAMP RAPID START BALLAST

* Operates in emergency mode.

1. Select proper voltage lead. Cap unused lead.

2. Do not mate connector until installation is complete and A.C. power is supplied.

A.C. BALLAST

EMERGENCY BALLAST

SWITCHED OR UNSWITCHED LINE

WHITE COMMON

UNSWITCHED LINE

ORG (277V)

BLK (120V)

CONNECTOR

CHARGE INDICATOR/TBTS
Select proper voltage lead. Cap unused lead.
Do not mate connector until installation is complete and A.C. power is supplied.
Pigtails leads together.
Cap unused leads.
Four Lamp Rapid Start Ballast

- Operates in emergency mode.
- Select proper voltage lead.
- Cap unused lead.
- Do not mate connector until installation is complete and A.C. power is supplied.

Operates in emergency mode. Select proper voltage lead. Cap unused lead. Do not mate connector until installation is complete and A.C. power is supplied.