



**KILLARK®**

# INSTALLATION, OPERATION & MAINTENANCE DATA SHEET

(VEB/DEB/VEQ SERIES FLUORESCENT EMERGENCY LIGHTING FIXTURES)



## VEB/DEB/VEQ SERIES FLUORESCENT EMERGENCY LIGHTING FIXTURES

### CAUTION:

Before installing, make sure you are compliant with area classifications, failure to do so may result in bodily injury, death and property damage. Do not attempt installation until you are familiar with the following procedures. All installation must comply with the applicable Electrical Code.

Make sure that the circuit is de-energized before starting installation or maintenance.

Verify that the installation is grounded. Failure to ground will create electrical shock hazards, which can cause serious injury and or death.

Technical information, advice and recommendations contained in these documents is based upon information that Killark believes to be reliable. All the information and advice contained in these documents is intended for use only by persons having been trained and possessing the requisite skill and know-how and to be used by such persons only at their own discretion and risk. The nature of these instructions is informative only and does not cover all of the details, variations or combinations in which this equipment may be used, its storage, delivery, installation, check out, safe operation and maintenance. Since conditions of use of the product are outside of the care, custody and control of Killark, the purchaser should determine the suitability of the product for his intended use, and assumes all risk and liability whatsoever in connection therewith.

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# **1. IMPORTANT SAFEGUARDS - READ AND FOLLOW ALL SAFETY INSTRUCTIONS**

**NOTE:** Read this sheet carefully before beginning installation.

- Do not use this equipment for other than the intend use as specified on equipment nameplate. Turn off the supplying circuit before beginning installation, or performing any maintenance including revamping.
- Do not install near gas or electric heaters.
- Do not attempt to service battery. The emergency ballast contains a sealed, no-maintenance battery. Contact manufacturer for information on replacements.
- Batteries must be recycled or disposed of properly.
- Servicing should be performed by qualified service personnel.
- Do not use this equipment for other than intended use.
- The use of accessory equipment not recommended by the manufacturer man cause an unsafe condition.
- Equipment should be mounted in locations and at heights were it will not readily be subjected to tampering by unauthorized personnel.
- The emergency ballast is for use with bi or quad pin fluorescent lamps only.

## **2. INSTALLATION**

**CAUTION:** To prevent high voltage on red & yellow output leads prior to installation, inverter connector must be open. Join inverter connector after installation, then turn power **ON**.

To reduce the risk of electrical shock, disconnect the AC input and inverter before servicing.

The emergency ballast must be connected to an unswitched power source (120/277 V).

**NOTE:** All installations must comply with the applicable local and/or National Electrical Code.

**IMPORTANT:** Before installing, check the fixture nameplate to be sure you have the correct fixture. Verify ground continuity in the electrical system.

Refer to nameplate for specific ambient and supply wire temperature rating.



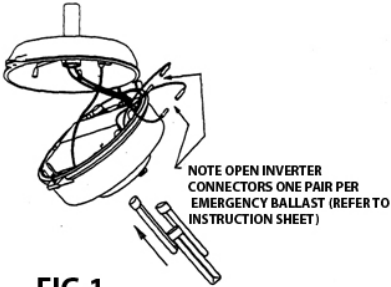


FIG.1



FIG.2

1. Install splice box per Instruction Sheet K0451 supplied with the product.
2. Refer to Fig.1 for general guidance. Hang the fixture on the splice box hinge.
3. Attach the green (ground) lead to the splice box ground screw (provided).
4. For VEB/DEB Series connect the supply common lead to marked "COM" & supply line voltage hot lead (120 or 277) to marked "LINE" at the terminal block. For VEQ series connect the supply common lead to marked "COM" & supply line voltage hot lead to marked "LINE" at the terminal block.
5. Mount the lamps on socket supplied with the fixture.
6. Join the emergency ballast(s) inverter connector(s) as shown in Fig.2.
7. Close the ballast tank against the splice box and tighten the screw to secure it.
8. Install globe or refractor in the globe thread.
9. Install globe guard (if required) over lugs on ballast tank, turn until stopped. Secure with screw.
10. To install reflectors, back out (4) screws provided in ballast tank boxes enough to slip the reflector over the screws and twist in place. Tighten screws to secure reflector.
11. Turn **ON** the supply circuit to operate the fixture.

**NOTE:** For push to test station installation use Killark control station catalog number FXCS\_5B2 (e/push to test nameplate) or equivalent. Refer to Fig.3 for typical wiring diagram.

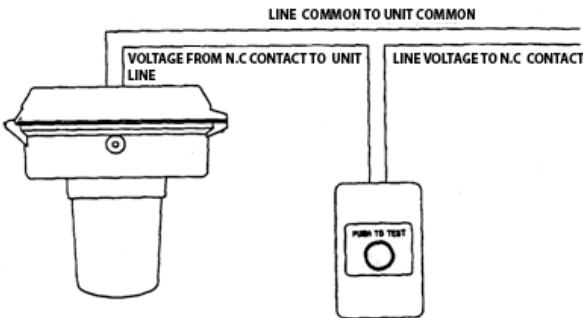


FIG.3

## 2. OPERATION:

When AC power is applied, the charging indicator light is illuminated, indicating that the batter is being charged. When power fails, the emergency ballast automatically provides at least 90 minutes of emergency lighting.

## 3. MAINTENANCE:

As routine maintenance, this emergency fixture should be checked periodically to ensure proper operation, The following schedule is recommended.

1. Visually inspect the charging indicator light monthly. It must be illuminated.
2. Test operation of the circuit at 30 day intervals for a minimum of 30 seconds. The lamp should operate.
3. Conduct a 90 minute discharge test once a year. The lamp should operate for 90 minutes.

SAVE THESE INSTRUCTION SHEETS



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