MODEL EPC-THPH INSTALLATION INSTRUCTIONS

! IMPORTANT SAFEGUARDS !

WHEN USING ELECTRICAL EQUIPMENT, BASIC SAFETY PRECAUTIONS SHOULD ALWAYS BE FOLLOWED, INCLUDING THE FOLLOWING:

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

1. This product is an auxiliary UL924 device, meant to signal other systems of a loss of normal power.
2. Make sure all connections are in accordance with the National Electrical Code and local regulations.
3. To reduce the risk of electric shock, disconnect both normal and emergency power supplies before servicing.
4. This product is intended to be used to control indoor and outdoor located loads.
5. An unswitched AC power source is required (120-240VAC/277VAC).
6. Do not install near gas or electric heaters.
7. Do not attempt to service a sealed Emergency Power Control. When malfunctioning, return to the manufacturer: LVS, Inc. 2555 Nicholson Street, San Leandro, CA 94577.
8. The use of accessory equipment is not recommended by the manufacturer and may cause unsafe condition.
9. Do not use this product for other than its intended use.
10. Servicing should be performed by qualified service personnel.
11. Equipment should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.

SAVE THESE INSTRUCTIONS

5-Year Limited Warranty

LVS, Inc. warrants to the original purchaser/user for the published warranty period from the date of shipment that should LVS instruments or equipment prove defective by reason of improper workmanship or material, LVS will repair or replace the same equipment without charge. This warranty does not cover defects or malfunctions arising from improper installation, operation or repair, or neglect, accident, or abuse. LVS will honor its warranty provided the equipment has not been physically damaged or improperly installed or connected. To obtain warranty/repair, the defective product should be shipped freight prepaid within the warranty period to the address below. To the extent permitted by applicable law, all warranties extending beyond repair or replacement as described above are disclaimed, including the implied warranties of merchantability and fitness for a particular purpose. Where applicable law prohibits disclaimers or the implied warranties of merchantability and fitness; those warranties are limited to 12 months from date of shipment. LVS provides a 90 day money back guarantee if equipment does not perform in accordance with LVS published specifications. The liability of LVS and its agents under all warranties is limited to repair and replacement as described herein and under no circumstances shall there be liability for any other kind of loss, damage, or labor, either consequential or for injury to person or property or otherwise.

Electrical Specfications	120-240/277v 50/60Hz Sensing Input Auxiliary Form C Contact 120VAC-277VAC 50/60Hz 8A Ballast/General, 3A LED, 600W Tungsten	C UL US UL924 LISTED
Mechanical Specfications	EPC-3PH Installs in 4-11/16” junction box with extension and single gang plaster ring	

LVS, Inc. 2555 Nicholson Street, San Leandro, CA 94577-4216
Phone: 510-352-9600 1-800-982-4587 Fax: 510-352-6707
Web: WWW.LVSCONTROLS.COM

Application

The **UL924 Listed Emergency Power Control EPC-THPH,** is a 3 phase power loss sensing device with Form C Dry Contact.

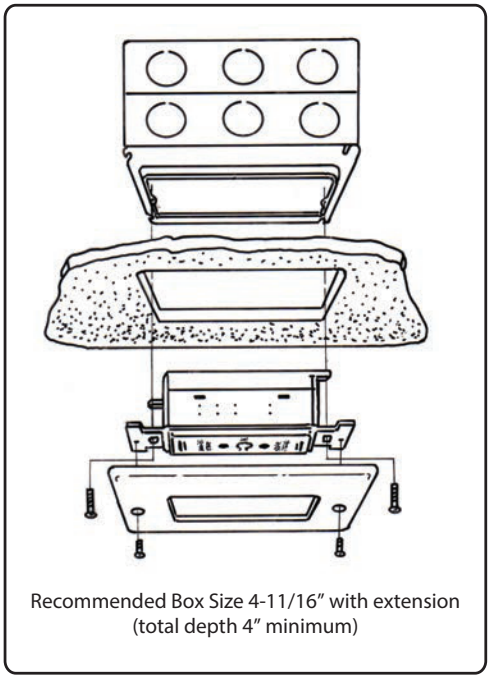
Fire Alarm / Remote Test Switch - Some applications demand that emergency lighting be activated upon fire alarm, security alarm, or remote test switch activation. The EPC-THPH is equipped with a low voltage override input (red jumper). https://www.lvscontrols.com/blog/ul92fai

Three Phase Sensing - Can be selected to sense 1 or 3 phase normal power systems for interruption.

Small Form Factor

Dry Status Contact - Form C dry contact permits interconnection with BMS and other systems indicating the state of the emergency system and normal power.

EPC-3PH



Recommended Box Size 4-11/16" with extension
(total depth 4" minimum)

Installation

In order to install the EPC in accordance with national/local code requirements, a qualified electrician should review & understand the installation instructions. Check voltage & current requirements. Verify & lock out circuit breakers on both regular (utility) power & 24 hour emergency generator or inverter circuit. Install a self-adhesive 2" x 3" caution label in each fixture or load controlled by an EPC cautioning that the load is supplied from 2 different power sources, normal & emergency. Review wiring diagram & connect wires, one at a time, in accordance with the numeric identification.

Setup/Programming

Turn on Normal/Emergency power sources.

Initial Testing

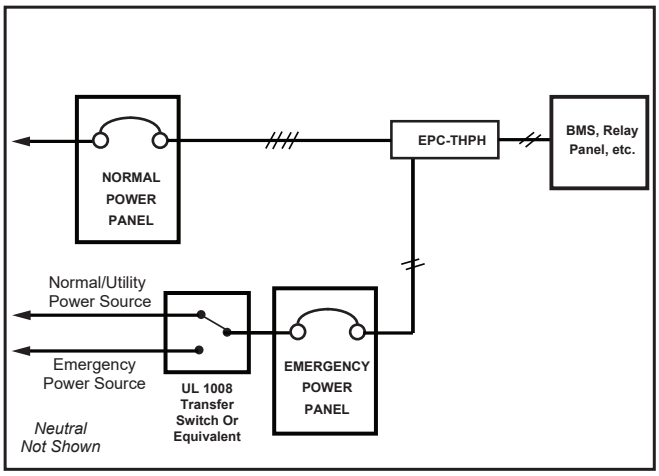
In order to test that the wires are connected correctly, without any inconvenience to occupants, do not turn off regular (utility) power off until you have checked each device as follows:

1) Check that regular branch circuit breaker is connected & utility power is available. Green LED on If green LED is not lit, check connections & continuity to branch circuit breaker. If using 3 phase sense mode, ensure power is applied to all 3 phases. If using 1 phase only, connect Orange Brown Yellow wires together.
2) Check that emergency branch circuit breaker is connected & emergency power is available. Red LED should be lit. If red LED is not lit, check connections & continuity to emergency branch circuit breaker.
4) Emergency Operation Test: Press and hold test button, dry contact should change position.

Maintenance

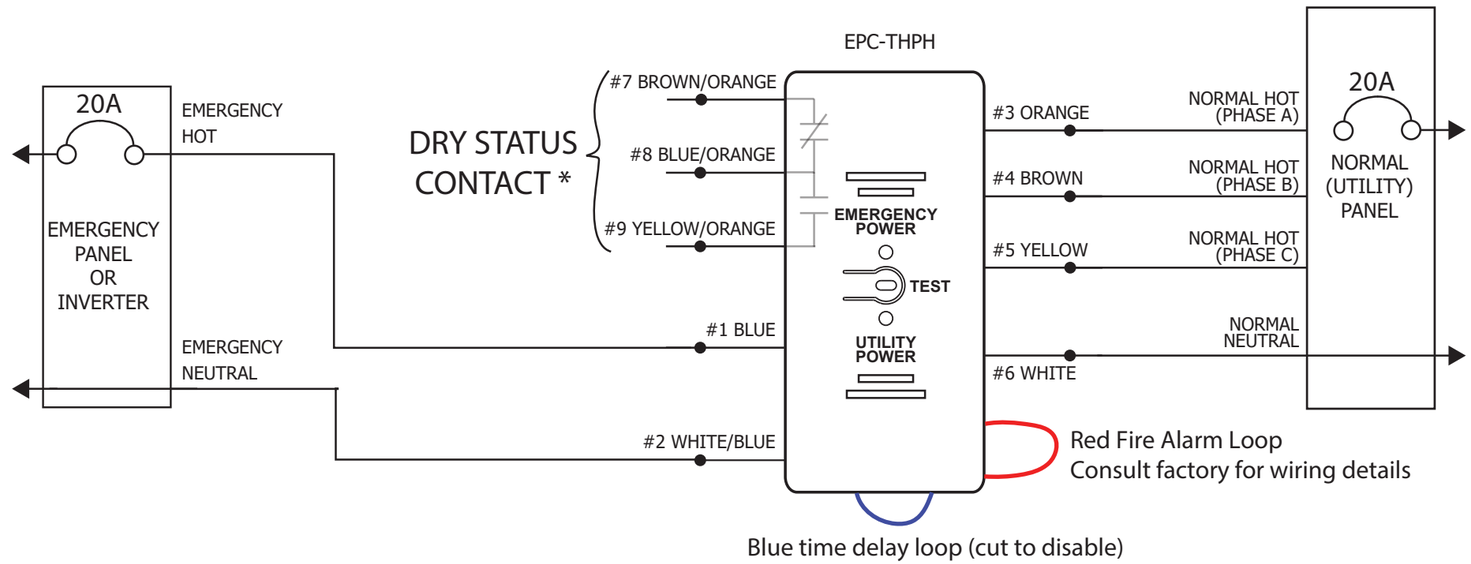
No maintenance is required to keep the EPC functional. However, regular testing should be performed when the lamps or ballasts have been replaced or when remodeling has taken place.

Single Line Drawings



Wiring Diagram #1 (Suggested): A three phase sensing module sends a dry contact signal to another system upon loss of 1 or more phases of normal power.

Note: Dry status contact is shown in emergency state. It can be used for BMS and other remote control purposes. If unused, cap #7,8,9 leads.



Note: if only 1 phase sensing is required, connect orange, brown, and yellow wires together - or use LVS model RRU-UNV.

Note: if emergency power is unavailable - normal power may be hooked up to #1/#2. However, red LED will not supervise EM power.

Note: When blue wire is un-cut there is a 2.5 second time delay when normal power is restored before dry status contact changes staets. Cut blue jumper and cap off leads to disable time delay.