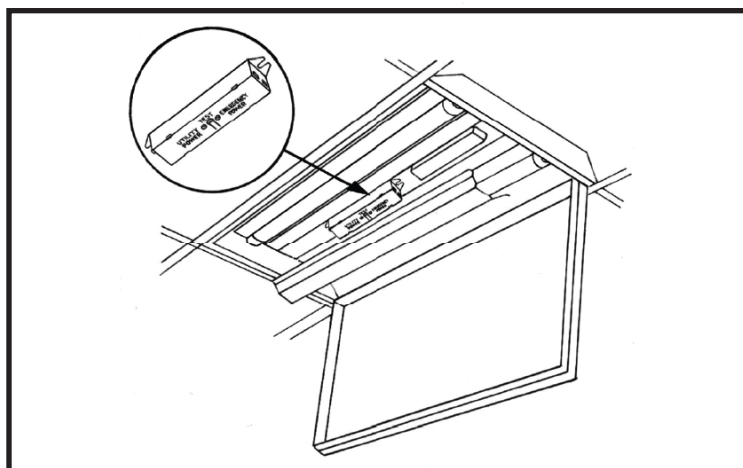
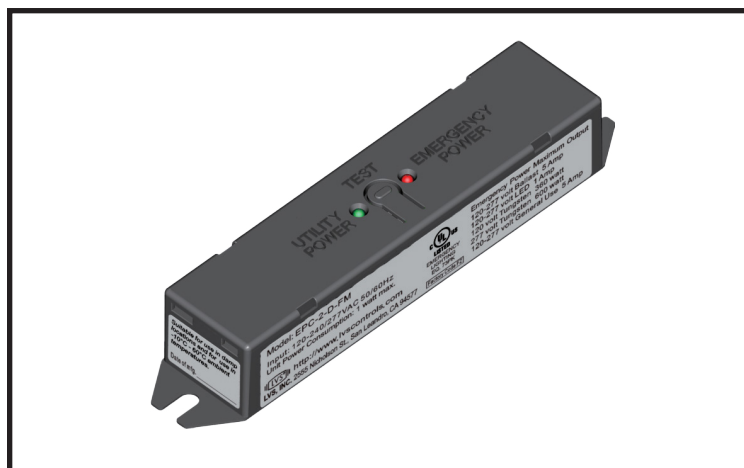


EPC-2-FM

Emergency Power Control For Switched Loads



APPLICATION

In the past, emergency lights were kept on 24 hours a day to meet life safety codes. Now, you can use a UL 924 listed Emergency Power Control, Model EPC-2-FM, to convert normal light fixtures into approved emergency lights. The EPC-2-FM saves energy and money while ensuring compliance with both life safety and energy codes.

During normal operation, the same switch, occupancy sensor, relay panel, or lighting control can switch normal and emergency fixtures on and off simultaneously.

During a utility power interruption, the EPC-2-FM automatically bypasses the normal lighting controls, turning the emergency lights ON, regardless of switch position.

The EPC-2-FM is fixture mounted.

FEATURES

- Unique Patented Automatic Diagnostic:
When the room switch is turned off, the EPC-2-FM will run a 2.5 self-test routine, verifying that the emergency power source was available and the EPC-2-FM, ballast lamp(s) are all functioning correctly. This features eliminates the need for time-consuming and costly manual monthly testing and is approved for this purpose. This also allows the unit to be installed in remote or inaccessible locations, because the unit does not rely on access to its manual test switch.
- Fire Alarm, Remote Test Option
- Utility & Emergency Power Indicator LED's
- Slim, profile allows mounting in most ballast channels.

SINGLE LINE DRAWING



The diagram illustrates the wiring for a fire alarm system. It features three main components: an Emergency Panel or Inverter on the left, a central Red Fire Alarm Jumper, and a Normal Panel on the right.

- Emergency Panel or Inverter:** Contains a 20A circuit breaker. It has two main output lines: "EMERGENCY HOT" (top) and "EMERGENCY NEUTRAL" (bottom).
- Red Fire Alarm Jumper:** A central unit with a "TEST" button and two sets of terminals labeled "EM POWER" and "UTILITY POWER". It also has a "Red Fire Alarm Jumper" terminal at the bottom.
- Normal Panel:** Contains a 20A circuit breaker. It has two main output lines: "NORMAL HOT" (top) and "NORMAL NEUTRAL" (bottom).

Wiring Connections:

- Emergency Hot Line:** Labeled "#6 BLUE". It runs from the Emergency Panel, through an "Emergency Light" (represented by a shaded rectangle), to the "EM POWER" terminal of the Fire Alarm Jumper.
- Emergency Neutral Line:** Labeled "#4 WHITE/BLUE". It runs from the Emergency Panel to the "EM POWER" terminal of the Fire Alarm Jumper.
- Normal Hot Line:** Labeled "#1 BLACK". It runs from the Normal Panel, through a switch (representing a "Normal Light (optional)"), to the "UTILITY POWER" terminal of the Fire Alarm Jumper.
- Normal Neutral Line:** Labeled "#3 WHITE". It runs from the Normal Panel to the "UTILITY POWER" terminal of the Fire Alarm Jumper.
- Utility Power Line:** Labeled "#2 RED". It runs from the Normal Panel to the "UTILITY POWER" terminal of the Fire Alarm Jumper.
- Emergency Light:** A shaded rectangle connected to the Emergency Hot and Neutral lines.
- Normal Light (optional):** A box connected to the Normal Hot and Neutral lines.
- Relay Panel, Power Pack, Sensor, or other (optional):** Indicated by an asterisk (*) on the Normal Hot line.

Note: Emergency Light is also called N/E Light or Normal/Emergency Light by many specifiers.

Red Fire Alarm Jumper (see additional resources)

SPECIFICATIONS

| | | |
|-------------------|-----------------------------------|--------------------------------------|
| MECHANICAL | MOUNTING | Fixture Mount, Panel Mount |
| | RATING | UL94-5VA, Damp Location Rated |
| | SHIPPING WEIGHT/ COLOR | 8 oz. / Black |
| | TEMPERATURE | -40°F - 140°F (-40°C - 60°C) |
| | BODY SIZE | 125mm" x 25.4mm" x 30mm" (L x H x W) |