EMERGENCY POWER CONTROL

SENSORWORX ®

SPECIFICATIONS

ELECTRICAL

SENSING INPUT
120-240VAC/277 VAC

LOAD RATINGS
GENERAL PURPOSE & LED: 20A @ 120-277VAC

BALLAST LOAD: 20A @ 120-277VAC

INCANDESCENT LOAD: 1200W @ 120VAC
1500W @ 277VAC

RELAY TYPE
Normally Closed

DIMMING
0-10 VDC ballasts or drivers compliant with IEC 60929 Annex E.2)

ENVIRONMENTAL

OPERATING TEMP
32°F to 140°F (0°C to 60°C)

PHYSICAL

SIZE
3.00"H x 1.70"W x 1.20"D
(7.62 x 4.32 x 3.05 cm)

MOUNTING
Single Gang Switch Box
4-11/16" Square Junction Box
w/ Single Gang Mud Ring
Suitable for Installation in Plenum

LED INDICATORS
Red: Emergency Power Present
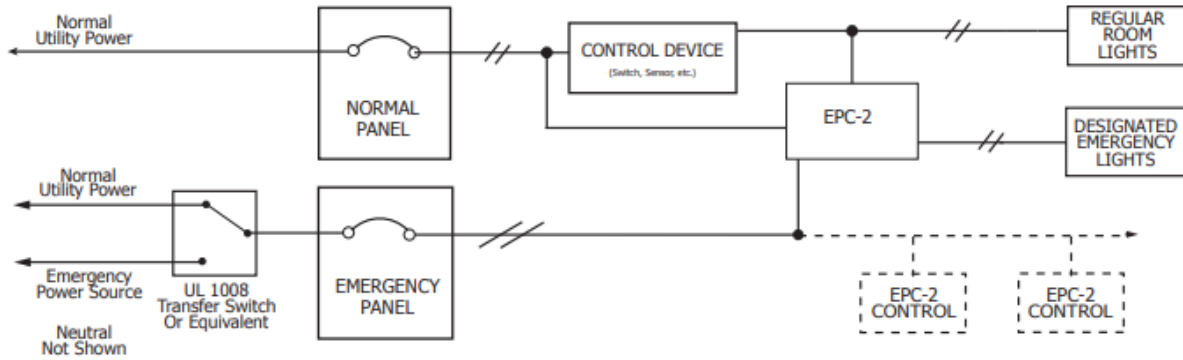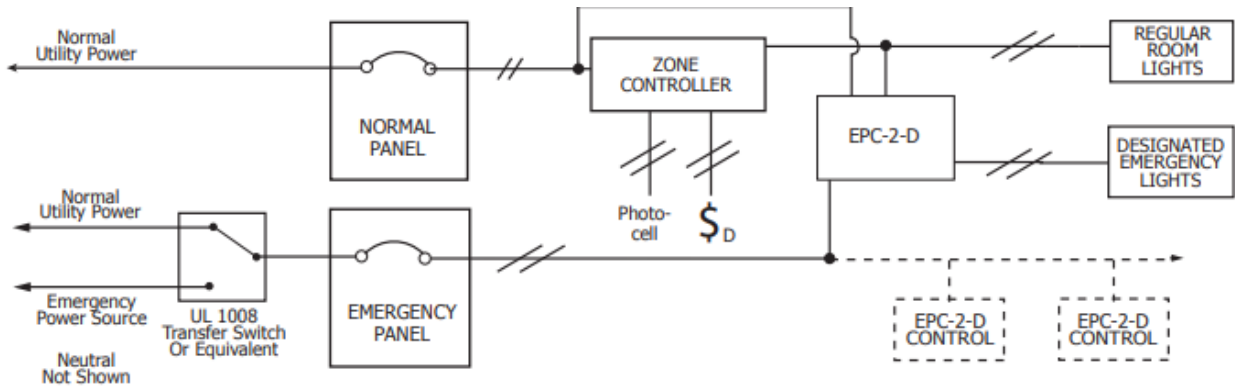Green: Utility Power Present

MANUAL TEST BUTTON

OVERVIEW

The **SENSOR**WORX Emergency Power Control device provides a simple method of converting standard light fixtures into emergency light fixures for a UL924 compliant emergency application. Designed by LVS Controls, the **SWX-EPC-2** family ensures compliance with both life safety and energy codes and eliminates the wasted energy that is used when emergency lighting is kept on 24 hours a day. These devices are typically ceiling or wall mounted in a junction box with a single gang plaster ring and are usually located in the area where the emergency fixtures are installed.

BASIC OPERATION

All lighting fixtures (both normal and emergency) are controlled on and off (and/or dimmed) together during normal power operation by common lighitng control devices (i.e. switches, dimmers, occupancy sensors, daylight harvesting photocells, relay panels, etc.). However, during a utility power interruption, the **SWX-EPC-2** will automatically bypasses the controls and override to on all the fixtures designated for emergency operation. With the dimming option, the unit can also ensure that controlled emergency lighting is returned to its full bright level.

The **SWX-EPC-2** family also has a patented automatic diagnostic feature. When a room's switch is turned off, the **SWX-EPC-2** will run a 2.5 second self-test routine, verifying that the emergency power source is available and that the unit and connected fixtures are all functioning correctly. This feature 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 diagnostic feature does not rely on access to its manual test switch.

FEATURES

- **Patented Automatic Diagnostics**
- **Slim & Attractive Flush Mount Profile**
- **Easy Front Access to Manual Test Switch**
- **Integrates with Fire Alarm Systems for Override**
- **Remote Test Configuration**
- **Utility & Emergency Power Indicator LEDs**
- **0-10V & DALI Dimming Option**

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UL924 LISTED

ORDERING INFO

MODEL #	DESCRIPTION
SWX-EPC-2	Emergency Power Control
SWX-EPC-2-D	Emergency Power Control w/ Dimming

SINGLE LINE DRAWINGS
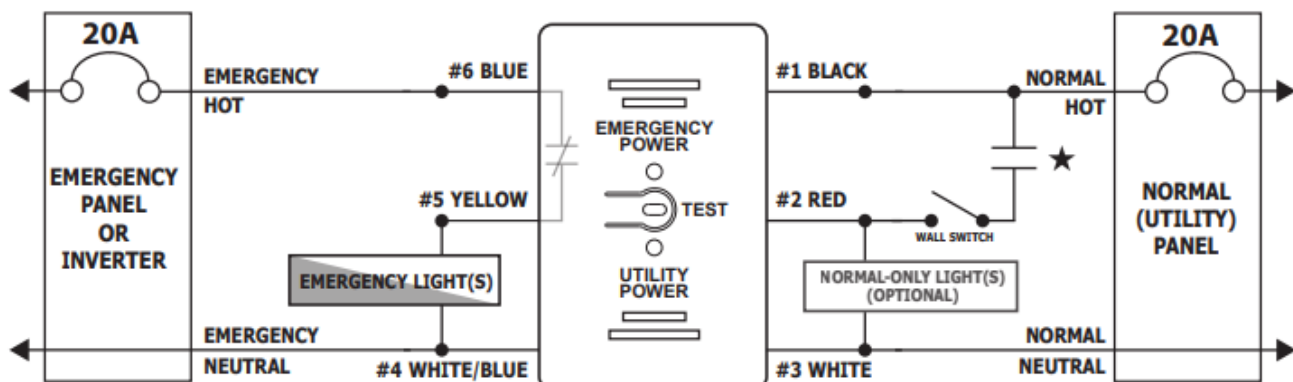
MODEL #: SWX-EPC-2

MODEL #: SWX-EPC-2-D

WIRING

MODEL #: SWX-EPC-2 (Standard Configuration)

A common switch controls both normal and emergency lighting in a space. Upon loss of normal power, the emergency lighting comes on regardless of switch position.
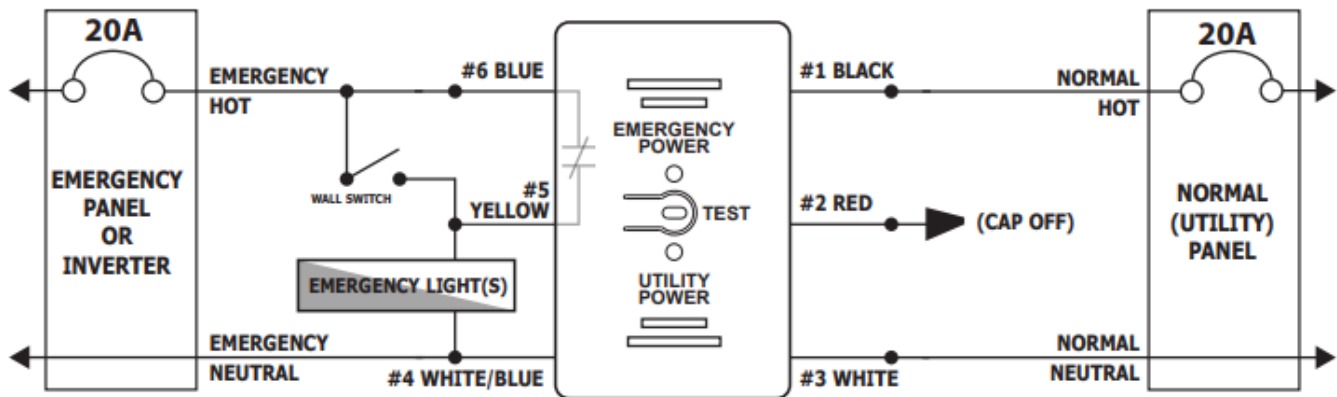

★ Optional normally open occupancy sensor/power pack/relay panel.
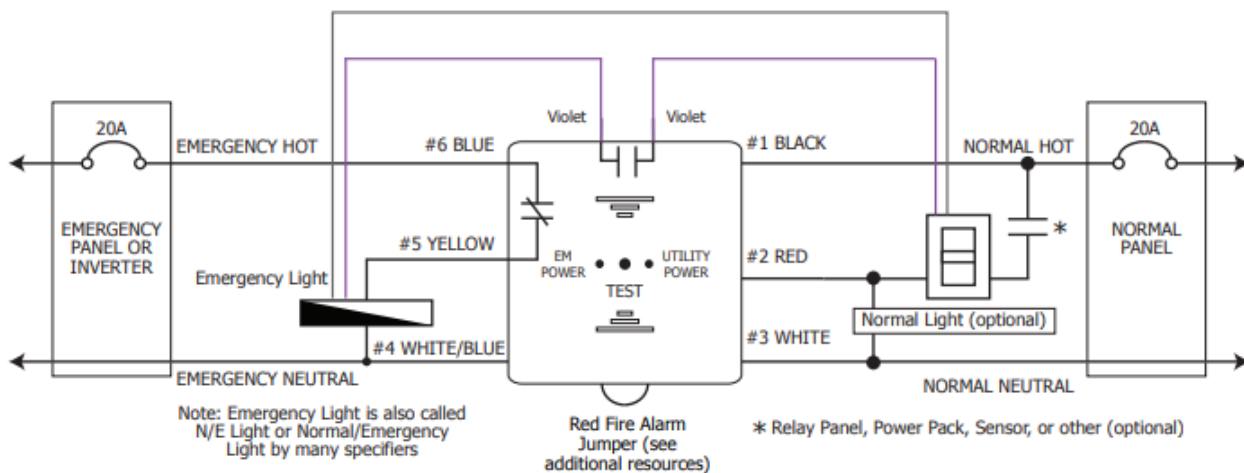
WIRING (CONT.)

MODEL #: SWX-EPC-2 (Shunt Configuration)

A dedicated switch controls emergency lighting in a space. Upon loss of normal power, the emergency lighting comes on regardless of switch position.

MODEL #: SWX-EPC-2-D

A common dimmer controls both normal and emergency lighting in a space. Upon loss of normal power, the emergency lighting comes on to full bright regardless of dimmer position.
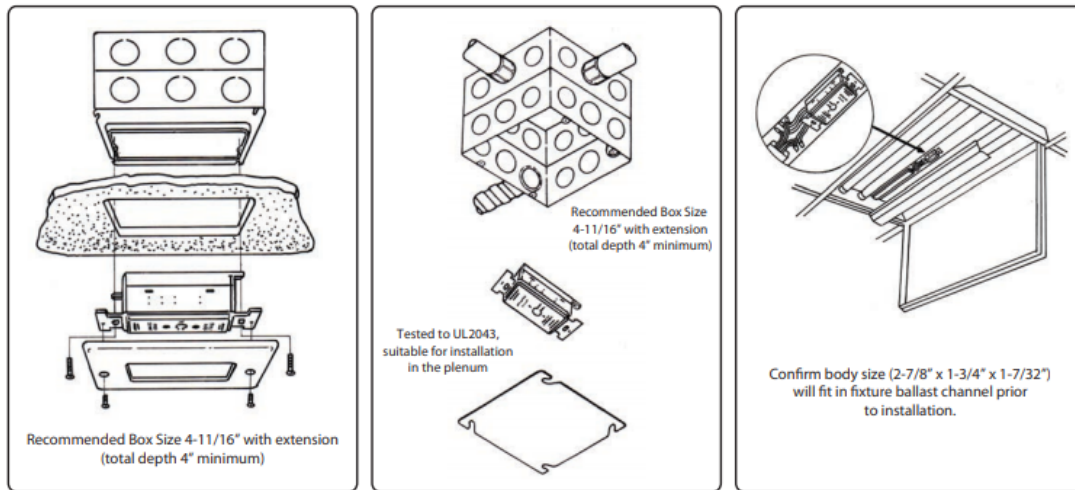

REMOTE DIAGNOSTIC WIRING

To disable the remote diagnostic feature, cut the units blue jumper wire.

FIRE ALARM / REMOTE TEST SWITCH WIRING

The unit's red low voltage jumper wire is an override input to connect in a fire alarm or remote test switch.
For more information visit http://www.lvscontrols.com/assets/UL924FAI.pdf.

INSTALLATION

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

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Tested to UL2043, suitable for installation in the plenum

Confirm body size (2-7/8" x 1-3/4" x 1-7/32") will fit in fixture ballast channel prior to installation.

FREQUENTLY ASKED QUESTIONS

DO I NEED A SEPARATE NORMAL AND EMERGENCY BALLAST/DRIVER?

NO, the emergency light only needs a single ballast/driver. The Normal-Only light(s) shown are separate light fixtures that you want to control with the same switch, but which do not serve as emergency lighting during a power interruption.

CAN I USE THE SWX-EPC-2 WITH 3-WAY SWITCHES?

YES, replace the single pole wall switch above with your 3-way switches.

CAN I USE THE SWX-EPC-2 WITH A/B SWITCHING?

YES, but you need a separate **SWX-EPC-2** for each switch leg (i.e. 2 **SWX-EPC-2** for A/B switching).

ORIGINAL EQUIPMENT MANUFACTURER

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