



DECORATOR SWITCH

LOW VOLTAGE
MOMENTARY OPERATION



SENSORWORX®

OVERVIEW

The **SENSORWORX** low voltage decorator wall switch provides an attractive companion wall station for a **SENSORWORX** low voltage sensor system. Many spaces now require by code (e.g., ASHRAE 90.1, IECC, Title 24) either manual on or partial-on user operation in addition to an occupancy sensor providing automatic off control. The simplest way of achieving this is by adding a low voltage wall station that interfaces with the power pack controlling the rooms lighting. Adding a switch to a low voltage sensor system also enables user's to override a space's lighting off if necessary. Functioning as a momentary two-wire style switch, this wall station is intuitive to use and provides pleasant tactile feedback. Visually, the unit matches the **SENSORWORX** line of wall switch sensors ensuring consistent style across multiple spaces on a project. Additionally, there is an integrated locator / Pilot LED with multiple color and intensity settings.

BASIC OPERATION

The **SENSORWORX** low voltage decorator wall station functions as a standard two-wire momentary switch. Typically, it is utilized along with any **SENSORWORX** power pack with the auxiliary switch input option (e.g. model SWX-900-AX). Using a three-conductor low voltage wire (typically 18 AWG), low voltage power and common is wired from the power pack to the switch. The switch output is then wired back to the power pack's auxiliary switch input. For applications requiring Vacancy (e.g., Manual On) operation, the switch signals the power pack to turn on lighting after the unit's button is pressed. For Partial-On (e.g., Automatic On to 50% Level), the switch signals a power pack with a 0-10V dimming output (e.g. model SWX-900-AX-D2) to increase the lighting level from the initial Automatic On level to the 100% level. Pressing the switch again would override lighting off. For multi-way switching applications, simply wire units in parallel to the power pack(s). The switch's LED can be wired as a pilot light or as a locator and can be configured either white or blue and at multiple intensities.

APPLICATIONS

A wall station can be added to any space where a low voltage control system is used. Energy codes require either Manual On or Partial On to 50% for many spaces such as:

- Private Office
- Conference Room
- Storage Room
- Open Office
- Classroom
- Break Room

FEATURES

- **Decorator Style Fits Common Wall Plates (not included)**
- **Less than 1" Depth in Wall**
- **Multiway Switching Capable (e.g., 3-way, 4-way)**
- **Intuitive Operation with Minimal Force Required**
- **Quiet and Pleasant Tactile Feedback**
- **Matches SWX Wall Switch Sensor**
- **Locator / Pilot LED with Adjustable Color & Intensity**

SPECIFICATIONS

ELECTRICAL

OPERATING VOLTAGE

5-24 VDC

CURRENT DRAW

2mA

ENVIRONMENTAL

OPERATING TEMP

-10°F to 122°F (14°C to 50°C)

RELATIVE HUMIDITY

0-95% Non-Condensing,
Indoor Use Only

PHYSICAL

SIZE

2.74"H x 1.68"W x 1.39"D

(6.96 x 4.27 x 3.53 cm)

Fits Decorator Switch Plate Opening

DEPTH IN WALL

0.94" (23.88 mm)

WEIGHT

2.5 oz

MOUNTING

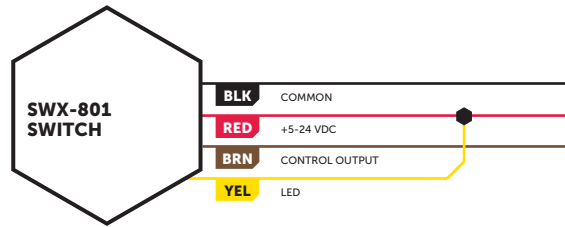
Single Gang Switch Box



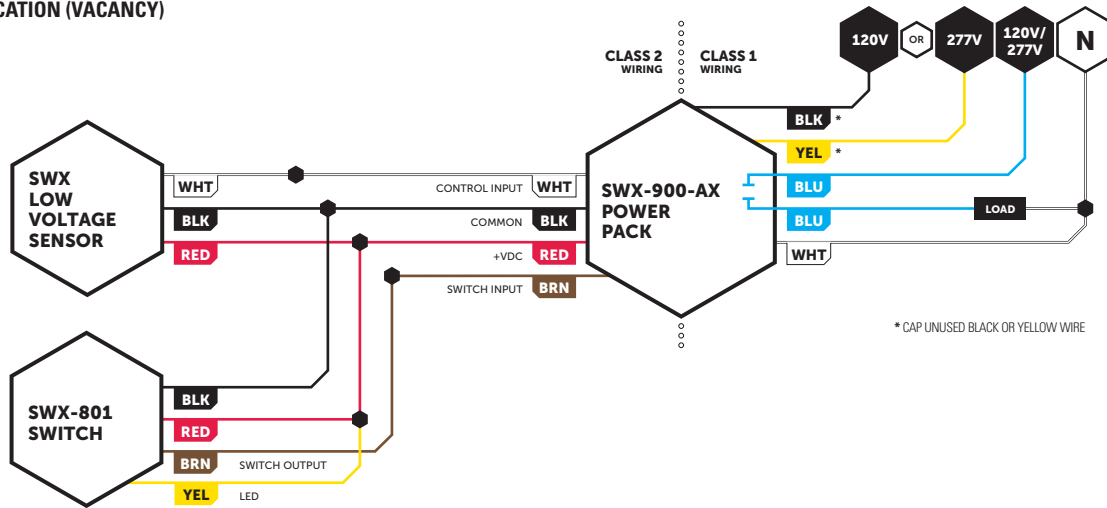
WIRING

STANDARD WIRING

- As shown the LED on the switch will function as a locator
- Alternatively, the yellow wire can be connected to a +5-24V pilot light signal
- Multiple switches can be wired in parallel to achieve 3-way (or more) operation

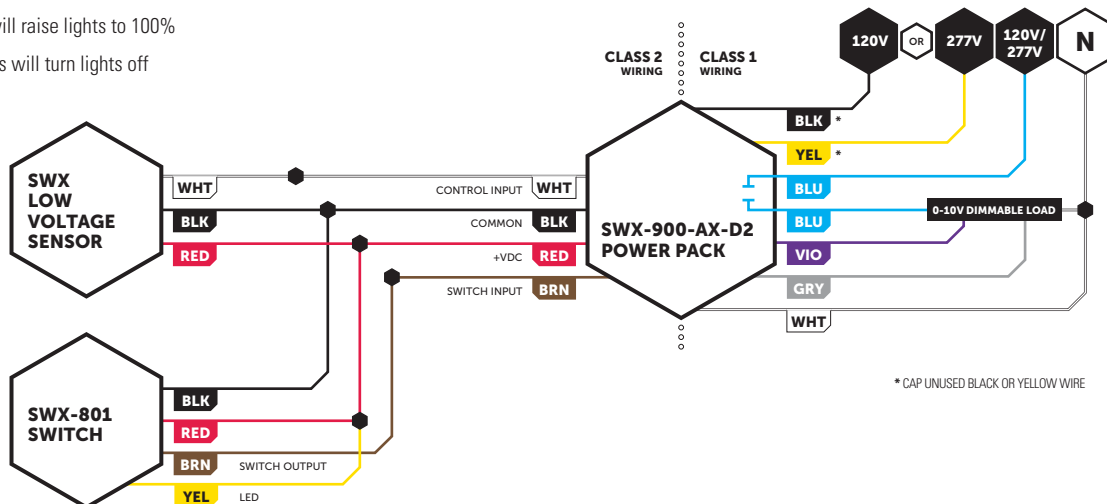


MANUAL ON APPLICATION (VACANCY)



PARTIAL ON APPLICATION (e.g., AUTO ON TO 50%)

- Sensor will turn lights on to 50% level
- First switch press will raise lights to 100%
- Second switch press will turn lights off



OPERATION SETTINGS

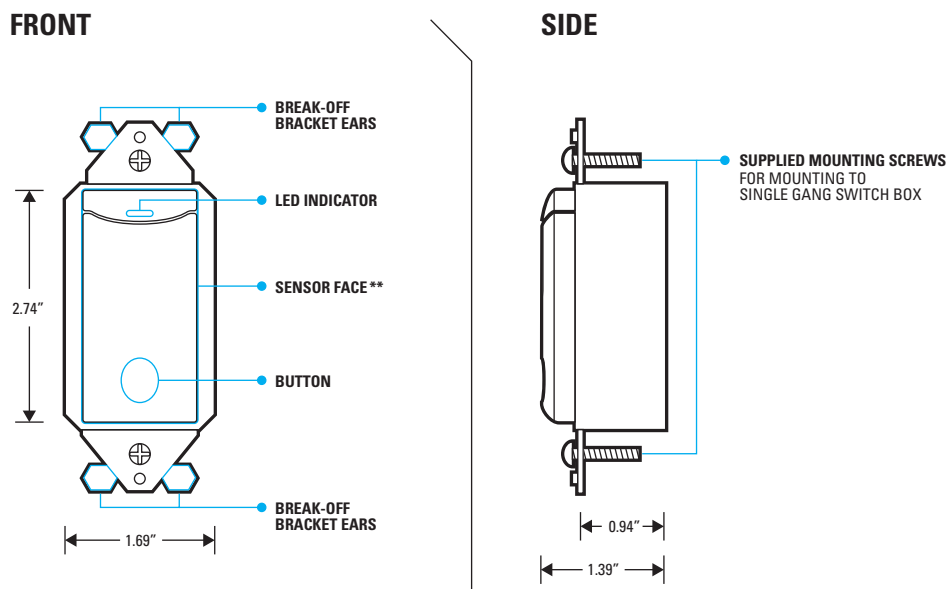
The switch's LED is white by default. It can be programmed to be blue and/or more intense. Additionally, the switch's LED is always on as a location aid. However, it can also be programmed to flash periodically or to be disabled entirely.

LED SETTINGS

White	Normal Intensity
Blue	Normal Intensity
White	Increased Intensity
Blue	Increased Intensity

INSTALLATION

Designed to mount in 1-gang wall box with 3.28" hole spacing. Units can also share multiple gang wall boxes with other devices.



** SENSOR FACE IS FIELD REMOVABLE IN ORDER TO CHANGE COLORS. CONTACT FACTORY FOR ADDITIONAL FACES

ORDERING INFO

SAMPLE MODEL # SWX-801-WH

SWX-801 Low Voltage Decorator Switch - Momentary On/Off

COLOR*

White	WH
Ivory	IV
Light Almond	LA

*WALLPLATE NOT INCLUDED

