



SENSORWORX®

LOW VOLTAGE INTERVAL TIMER SWITCH

INSTALLATION & OPERATION INSTRUCTIONS

CATALOG NUMBERS	DESCRIPTIONS
SWX-843-1-60M-XX	Low Voltage Interval Timer Switch - 60 min. maximum
SWX-843-1-12H-XX	Low Voltage Interval Timer Switch - 12 hr. maximum

* XX = COLOR (WH, IV, LA, GY, BK, RD)

ADDITIONAL UNIT OPTIONS
- **HE:** High Humidity Environment

OVERVIEW

The **SENSORWORX** interval timer switch provides an automatic lighting control solution that is intuitive to operate. Designed with contractors in mind, the unit is significantly shallower than typical timers, resulting in less crowded wall boxes. For interval adjustment, raise and lower buttons are present in addition to the on/off button. Five vertically stacked LEDs are provided to indicate the timer setting / time remaining. Configurable parameters include Maximum Time Setting, Blink Timeout Warning, Turn on Timer Settings, and LED Indication. This stylish unit also matches the **SENSORWORX** family of wall switch occupancy sensors and 0-10V dimming wall switch sensors.

SPECIFICATIONS

ELECTRICAL

OPERATING VOLTAGE
5-24 VDC

CURRENT DRAW
9mA

MAINTAINED SIGNAL
Used with SWX-900-AX or SWX-950-AX

ENVIRONMENTAL

OPERATING TEMP
32°F to 122°F (0°C to 50°C) - Standard
-40° F/C (with **-HE** Option)

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)
Not Including Mounting Strap
< 1" J-Box Mounting Depth

WEIGHT
2.5 oz

MOUNTING
Single Gang Switch Box



FEATURES

PHYSICAL FEATURES

- Enclosure is 25-40% Shallower than Other Sensors (< 1" depth into wallbox)
- Modern Look and Intuitive Easy-Tap Button for On/Off, Increase Time, & Decrease Time
- Settings are Adjustable Without Removing Cover Plate

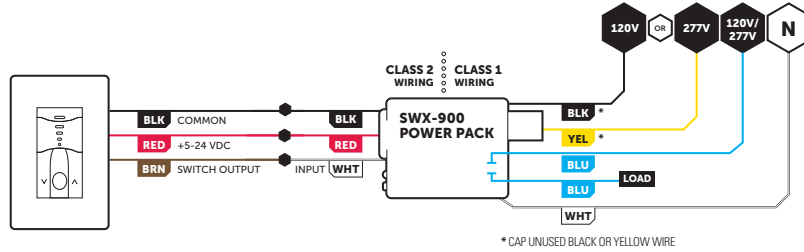
OPERATIONAL FEATURES

- 5 LED Time Level Indicators
- Configurable Parameters including Maximum Time, Turn on Timer Setting, & Blink Warnings
- Blue Locator LED when Lights are Off

WIRING

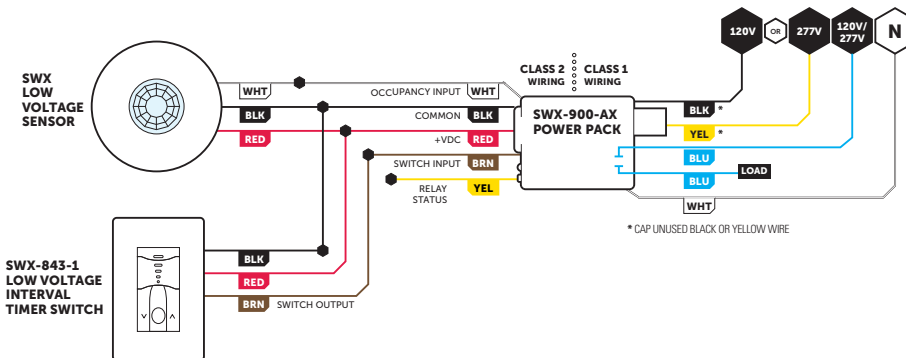
- Usage with 3rd party power packs, panels, or load controllers may result in limited or altered functionality.
- The LED on the switch functions as a locator.

STANDARD WIRING



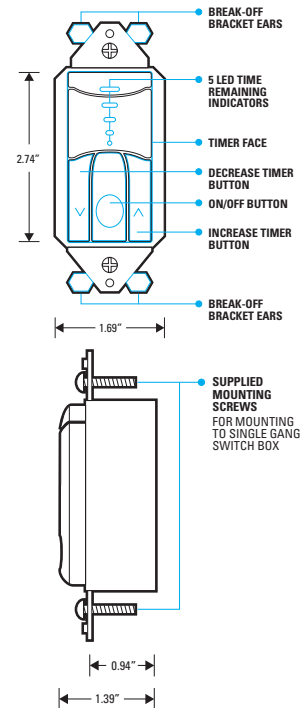
WIRING WITH OCCUPANCY SENSOR

- If using the SWX-843-1 switch with a sensor, the **SENSORWORX** model **SWX-900-AX** or **SWX-950-AX** series power packs are recommended. The power pack should be set to "Override On / Logic High". See **SWX-900-AX** or **SWX-950-AX** instruction sheets for programming information.
 - **SWX-900-AX:** Function 2, Setting 5
 - **SWX-950-AX:** Advanced Function 6, Setting 2



INSTALLATION

- Designed to mount in standard 1-gang wall box.
- Units also can share multiple gang wall boxes with other devices.



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

OPERATION DETAILS

TURN ON TIMER SETTING

- If the lights are off and the CENTER (on/off) button is pressed, by default the timer will return to the last user selected time.
- The timer can also be programmed to always come on to any of the preset settings.
- If lights are off and the RIGHT (increase timer) button is pressed, the lights will turn on and the timer will be set to the maximum time.
- If lights are off and the LEFT (decrease timer) button is pressed, the lights will turn on and the timer will be set to the minimum time.

MAX TIME SETTING

- The maximum timer duration that can be selected by a user is configurable to any of the time settings.
- The default maximum setting is 60 minutes for model # SWX-843-1-60M-xx.
- The default maximum setting is 12 hours for model # SWX-843-1-12H-xx.

BLINK WARNING

- By default the lights will switch off and immediately back on when the time remaining is 1 minute.
- Alternatively, the unit can be configured to provide a blink warning(s) at the following times: @ 1 min, @ 2 min, @ 5 min, @ 1 min & @ 2 min, @ 1 min & @ 5 min remaining.

LED FUNCTIONALITY

- The top white LED flashes during the last 5 seconds before the LED time indication is decremented.
- White LEDs that show current time remaining are on all the time by default (option to disable or only stay on for 5 seconds after any button is pressed).
- As a location aide when the lights are off, the top LED will be blue (option to disable).

CONFIGURATION SETTINGS

STEPS FOR CHANGING CONFIGURATION SETTINGS

- 1 From the lists of Configuration Functions below, note the number (#) of the Function to be changed. For example, TURN ON TIMER setting is #2.
- 2 Enter programming mode by pressing and holding the CENTER button until the top LED begins rapid flashing blue, then release.
- 3 Press and release the CENTER button the number of times for the chosen function. For example, press the CENTER button 2 times for the TURN ON TIMER setting.
- 4 The top LED will flash back white the setting number of the current value as it appears in each function's detailed table of values below. For example, the default TURN ON TIMER setting is #2 "LAST SELECTED USER TIMER". Following a short pause, this blink back sequence will repeat.
- 5 Interrupt blink back by pressing the CENTER button the number of times corresponding to the new setting (e.g., 3 times for 60 min level).
- 6 The top LED will blink back white the number as confirmation. Following a short pause, this blink back sequence will repeat.
- 7 To Save and Exit programming mode, press and hold the CENTER button again until the top LED changes from blue to white, then release. The top LED will then rapid blink white twice as confirmation of success.

NOTE 1:

To Exit without saving during any step, wait until top LED double flashes blue.

NOTE 2:

If the top LED double flashes twice blue at any point, start the above procedure over.

FUNCTION #2 TURN ON TIMER SETTING

SETTING #	VALUES FOR MODEL#:	
	SWX-843-1-60M	SWX-843-1-12H
2	Last selected user timer setting (Default)	
3	60 min	12 hr
4	45 min	8 hr
5	30 min	4 hr
6	15 min	2 hr
7	5 min	1 hr

FUNCTION #3 MAX TIME SETTING

SETTING #	VALUES FOR MODEL#:	
	SWX-843-1-60M	SWX-843-1-12H
2	60 min (Default)	12 hr (Default)
3	45 min	8 hr
4	30 min	4 hr
5	15 min	2 hr
6	5 min	1 hr

FUNCTION #4 BLINK WARNING

SETTING #	VALUES
2	Disabled
3	On/Off Blink @ 1 minute remaining (Default)
4	On/Off Blink @ 2 minutes remaining
5	On/Off Blink @ 5 minutes remaining
6	On/Off Blinks @ 1 & 2 minutes remaining
7	On/Off Blinks @ 1 & 5 minutes remaining

FUNCTION #7 LED FUNCTIONALITY

SETTING #	5 WHITE LEDS	BLUE LED (TOP)
2	When relay is closed, LEDs stay on showing level of time remaining (Default)	Lit when relay is open
3	When relay is closed, LEDs stay on showing level of time remaining	Off when relay is open
4	When relay is closed, LEDs are on for 5 seconds after any button is pressed showing level of time remaining	Lit when relay is open
5	When relay is closed, LEDs are on for 5 seconds after any button is pressed showing level of time remaining	Off when relay is open

FUNCTION #8 RESET FACTORY DEFAULTS

SETTING #	VALUES
2	No change
3	Reset factory defaults

