WSXA SSA
Dimming Occupancy Wall Switch
Installation Instructions

sensorswitch®

c (UL) US LISTED

Active Configuration Mode

Locate the PIN hole as shown below. Insert pairing tool to start active configuration mode, which allows for pairing and setting changes directly from the switch.

DETAIL A
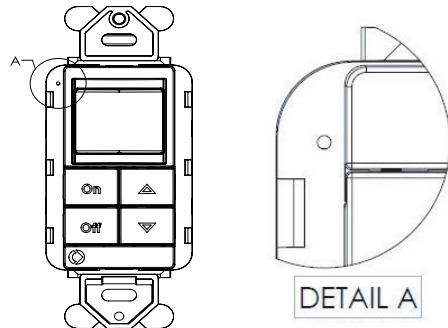
⚠ **WARNING**
Only use pre-packaged tool.
DO NOT INSERT METAL INTO PIN HOLE!
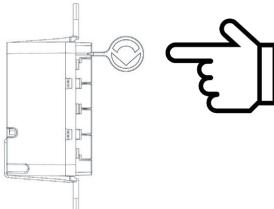
CONVERSION FROM GROUND ONLY

This product is pre-configured for wiring without a neutral; however, if connection to neutral is required by code, the unit easily converts in seconds by slipping off green sleeve.

OUTPUT RATING 120VAC, 800W, 6.7A; 277VAC, 1200W, 4.3A; 347VAC, 1500W, 4.3A

OPERATIONAL SETTINGS

Pairing tool must be inserted to perform any of the below operations. Press any button on the front of the switch to enter mode.

2 = Occupancy Time Detection

Maintain the same light level after occupancy was last detected. When time expires, group will enter prolong state (10% dim and off after 2.5 min). Prolong state is adjustable via app.

1 - Test Mode**	6 - 10.0 min	11 - 22.5 min
2 - 30 sec	7 - 12.5 min	12 - 25.0 min
3 - 2.5 min	8 - 15.0 min	13 - 27.5 min
4 - 5.0 min	9 - 17.5 min	14 - 30.0 min
5 - 7.5 min*	10 - 20.0 min	

*Defualt Setting
**Test mode sets Occupancy Time Delay to 30 seconds and increases photocell transition rate in addition to disabling the microphone on units with Dual Technology

3 = Start Level

Level of light output when occupancy is initially detected. Not applicable in Automatic Dimming Control mode.

1 - 10%	4 - 40%	7 - 70%	10 - 100%*
2 - 20%	5 - 50%	8 - 80%	* DEFAULT
3 - 30%	6 - 60%	9 - 90%	SETTING

4 = On Mode

1 - Automatic On: Sensor automatically turns the light on when it detects occupancy.

2 - Manual On: Sensor requires pressing the button to turn the light on.

5 = High Trim Setting (Maximum Brightness level)

1 - 1%	3 - 20%	5 - 40%	7 - 60%	10 - 90%	11 - 100%*
2 - 10%	4 - 30%	6 - 50%	8 - 70%	9 - 80%	

6 = Join

"Join" places an unpaired device to join mode allowing the device to join an existing group or initiate formation of a new group (using Join / Accept pairing method). Join mode may also be used to form 3-way connections as shown in the typical.

7 = Accept

"Accept" places an paired or unpaired device into accept mode allowing the device to accept a join mode device into the group or form a new group. For group formation using Join / Accept pairing method, the accepting device becomes the configurator represented by "GM" within the app.

8 = Add Mobile Device (Clairity Pro)

Allow user to use mobile application of a pre-configured group.

Based on your wiring situation, there are multiple ways to pair your wall switch:

1. Power Interrupt Verifcation: When SensorSwitch AIR embedded or components are on the load side of the wall switch, insert the tool as shown, then press and hold any button for 6-seconds to start auto-pairing.

2. When the switch is on a different circuit, it can be accepted into a group via join / accept pairing technique. Here are the steps and LED visual indicators:

   a) Insert pairing tool to start "active configuration mode".

   b) Visually, the LED in active configuration mode will double blink every second.

   c) Press any button 6-times to place device in join mode. Visually represented by a constant LED blink.

   d) On an existing device within the group, place that device in accept mode. Repeat steps a and b as shown above; however, press any button 7-times to start the accept mode. (see setting codes 6 and 7 for more details)

   e) **WARNING:** When using jin / accept pairing ensure other spaces are not being paired at the same time; otherwise cross pairing may occur.

3. When pairing the switch using the Clarity+ app, use the intuitive app workflow. For more information, see Clarity+ Quick Start Guide.

3-Way or (Multi-Way Application);
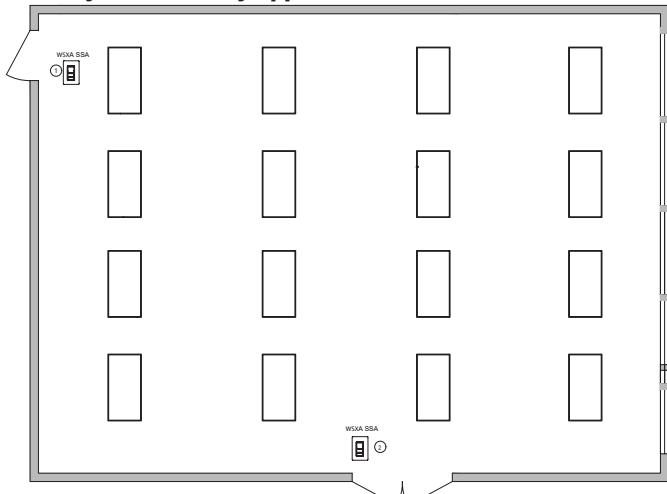
① SETTING CODE 6 (Join a Group)　② SETTING CODE 7 (Accept New Device)

9 = Reset PIN

Reset the PIN of a secure group

10= Remove Local Device Only

1 - Do not remove 2 - Remove　　　*See Note * and ***

* If device is the pairing device, used to form group, the group will "Restore" all devices group back to factory default. This action will un-pair all devices.

** If device is not the pairing device, it will send a "Delete Node" message to the pairing device for itself and restore itself back to factory defaults. It will no longer be able to communicate with the group.

11 = Restore all Group Devices to Factory Default

1 - Do not remove 2 - Remove

12 = LOW TRIM SETTING (LOWEST DIM VALUE)

1 - 1%*	4 - 30%	7 - 60%	10 - 90%
2 - 10%*	5 - 40%	8 - 70%	11 - 100%
3 - 20%	6 - 50%	9 - 80%	

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LED RESPONSE

SWITCH SETTING	ACTION and LED RESPONSE	
Occupancy Time Detection Maintain the same light level after occupancy was last detected.	**ACTION:** 1) Insert Tool. 2) Press any front button 2-times to enter time delay setting code. **LED Observance:** LED will blink back current setting if no additional input is given. This is done 3-times. **ACTION:** 1) At any point, while displaying current setting, press any front button to set value. **LED Observance:** LED will blink back new setting. This is done 3-times.	
Occupancy Start Level Level of light output when occupancy is initially detected.	**ACTION:** 1) Insert Tool: 2) Press any front button 3-times to desired occupied brightness start level setting code. **LED Observance:** LED will blink back current setting if no additional input in given, This is done 3-times. **ACTION:** 1) At any point, while displaying current setting, press any front button to set value. **LED Observance:** LED will blink back new setting. This is done 3-times.	
On Mode Change between Occupancy and Manual On Modes.	**ACTION:** 1) Insert Tool. 2) Press any front button 4-times to set operation mode setting code. **LED Observance:** LED will blink back current setting if no additional input in given, This is done 3-times. **ACTION:** 1) At any point, while displaying current setting, press any front button to set value. **LED Observance:** LED will blink back new setting. This is done 3-times.	
High Trim Setting Maximum Brightness	**ACTION:** 1) Insert desired settings. 2) Press any front button 5 times. LED will blink back new settings. This is done 3 times.	**ACTION:** 1) While blink back confirmation is occuring from prior action. 2) Insert desired settings value. LED will blink back new settings. This is done 3 times.
Join Add new wall switch device to an existing group, form; used in 3_way setup.	**ACTION:** 1) Insert Tool into the switch that will be joining an app-lessly paired group: 2) Press any front button 6-times to enter setting option. **LED Observance:** ½ Second On, ½ Second Off, followed by rapid flash. NOTE: TIMEOUT 5-7 minutes.	
Accept Accept new switch into an existing group or form a new group; used in 3_way setup.	**ACTION:** 1) Insert Tool into the switch that pairing app-less group: 2) Press any front button 7-times to enter setting option. **LED Observance:** LED will blink back setting entry followed by a rapid flash. NOTE: TIMEOUT 5-7 minutes	
Add Mobile Device Show app-less formed group and allow mobile device to join group.	**ACTION:** 1) Insert Tool into app-lessly pairing wall switch: 2) Press any front button 8-times to enter setting option. **LED Observance:** ½ Second On, ½ Second Off, ½ Second On, ½ Second Off. NOTE: TIMEOUT 5-7 minutes.	
Reset PIN If PIN in lost used to create new PIN.	**ACTION:** 1) Insert Tool: 2) Press any front button 9-times to enter reset PIN option. **LED Observance:** ½ Second On, ½ Second Off, ½ Second On, ½ Second Off. NOTE: TIMEOUT 5-7 minutes.	
Remove Local Device Only Used to remove local device. Note: Removing switch used to form group will delete entire group.	**ACTION:** 1) Insert Tool. 2) Press any front button 10-times to enter remove local device setting option. (a.) 1-press = do not remove (b.) 2- presses = Remove device. **LED Observance:** LED will blink back current setting if no additional input is given. This is done 3-times..	
Delete Group Used to return all devices back to default state.	**ACTION:** 1) Insert Tool. 2) Press any front button 11-times to enter delete group setting option. (a.) 1-press = do not remove (b.) 2- presses = Remove device. **LED Observance:** LED will blink back current setting if no additional input is given. This is done 3-times..	
Low Trim Setting Low Dim Value	**ACTION:** 1) Insert desired settings. 2) Press any front button 12 times. LED will blink back new settings. This is done 3 times.	**ACTION:** 1) While blink back confirmation is occuring from prior action. 2) Insert desired settings value. LED will blink back new settings. This is done 3 times.