WSXA SSA

Dimming Occupancy Wall Switch
Installation Instructions
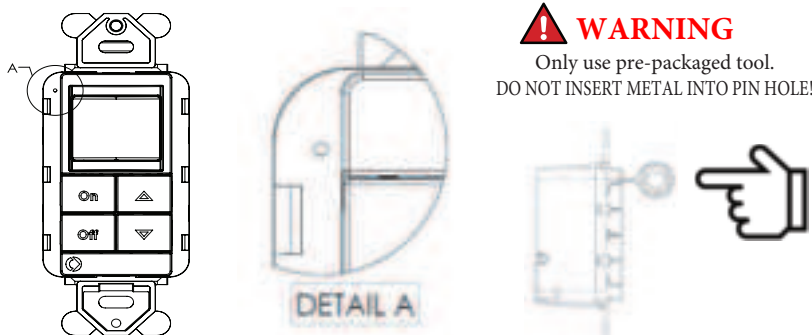
sensorswitch®

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.

⚠ WARNING
Only use pre-packaged tool.
DO NOT INSERT METAL INTO PIN HOLE!

DETAIL A

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	*Defualt Setting
2 - 30 sec	7 - 12.5 min	12 - 25.0 min	**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 - 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		

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 SETTING
3 - 30%	6 - 60%	9 - 90%	

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.
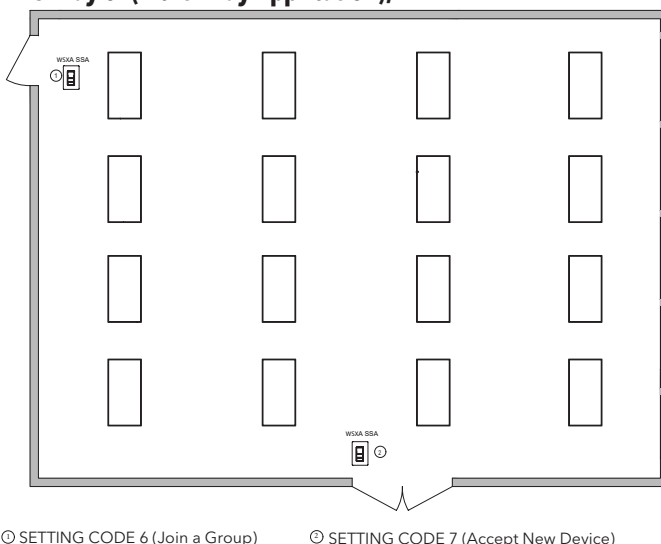
7 = Accept

"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);

⊙ SETTING CODE 6 (Join a Group)   ⊙ 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.