

### SENSOR SWITCH AIR OVERVIEW

The Sensor Switch AIR-enabled solution offers a wireless, app-free approach to single room lighting control. Absolutely no mobile apps are needed to install and pair SensorSwitch AIR enabled products, allowing for lightning speed installation right out of the box.

### WSXA SSA OVERVIEW

The WSXA SSA wall switch sensor uses Bluetooth® Low Energy (BLE) technology to enable room level dimming, occupancy sensing and daylight harvesting. This simple, cost-effective solution is ideal for small commercial indoor spaces that require small motion detection up to 20 ft (6.10 m) such as private offices, conference rooms, closets, copy rooms or any other individual room level space.

WSXA SSA is only compatible with SensorSwitch AIR-enabled fixtures and controls. Pairing in-circuit SensorSwitch AIR-enabled devices is initiated with the provisioning button using the provisioning tool provided with each unit. Once pairing is complete, settings can be changed using changing push-button programming or the Clarity+ mobile app.

WSXA SSA units come pre-configured for neutral-less wiring. If a connection with neutral wiring is required, contractors can convert the unit in seconds.

### FEATURES

- Wireless dimming and switching
- Product pairing without mobile apps and laptops
- Functions with or without a neutral connection
- Occupancy and daylight sensing for code compliance
- Ideal for both new construction and renovation projects
- 100% passive detection
- Small motion detection up to 20 ft
- Programmable via push-button or Clarity+ mobile app
- Passive dual technology (PDT) utilizes PIR/Microphonics™ detection
- Vandal resistant lens
- Fully meets NEC 2017 Section 404.2C neutral requirements - no current leakage to ground when connected to neutral
- International Regulatory Certification (FCC/ISED)
- A SensorSwitch AIR group can support up to 40 nodes
- Fully compatible with JOT deployments

### Warranty

Five-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: [www.acuitybrands.com/support/warranty/terms-and-conditions](http://www.acuitybrands.com/support/warranty/terms-and-conditions)

**Note:** Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

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## WSXA SSA

*Wireless Wall Switch Sensor with Dimming, Occupancy Detection and Daylight Harvesting*



### ORDERING INFORMATION

WSXA SSA						Example: WSXA SSA PDT DX WH					
Series		Detection Mode		Dimming		Operating Mode		Voltage		Color	
WSXA SSA	Wireless Wall Occupancy Switch Sensor and Ambient Light Sensor.	[blank] PDT	(PIR) / Photocell Dual Technology	DX	Wireless Dimming	[blank] SA	Automatic On Manual On	[blank] 347	120-277 VAC 347 VAC	WH IV GY	AL BK Lt. Almond Black

**NOTES:**

1. Matching wall plate provided for 120-277 VAC.

SSW				Example: SSW 1GNG OCC WH	
Series	Number of Gangs	Mount	Color		
SSW Sealed Screwless Wall-Plate	1GNG Single Gang	[blank] Standard Wall Switch OCC Occ. Wall Switch	WH	White	
			IV	Ivory	
			RD	Red	

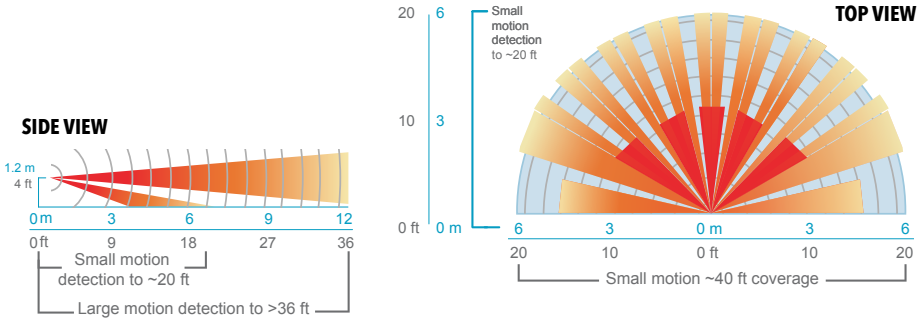
WALLP				
Series	Color	Multi-Pack Size		
WALLP1 Screwless Wall Plate Single Gang	WH White IV Ivory	M5 (5 Wall Plates)		
WALLP2 Screwless Wall Plate Dual Gang	GY Gray AL Light Almond BK Black RD Red			

### SPECIFICATIONS

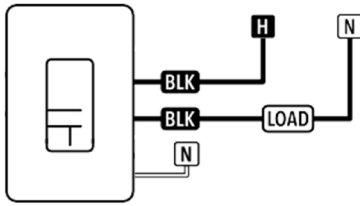
<b>Electrical</b>	<b>Input Ratings</b>	120-277VAC, 50/60 Hz 347VAC, 50/60 Hz (with 347 option)
	<b>Output Ratings</b>	120VAC, 800W, 6.7A - Electronic Ballast 277VAC, 1200W, 4.3A - Electronic Ballast 347VAC, 1500W, 4.3A - Electronic Ballast
	<b>Relay Type</b>	Latching
	<b>Standards/ Ratings</b>	Energy Management Equipment, UL916 (E167435)
<b>Mechanical</b>	<b>Dimensions</b>	2.74"H x 1.68"W x 1.63"D (70mm x 43mm x 41mm) - does not include ground strap
	<b>Mounting</b>	Single-Gang Box
	<b>Connection Type</b>	Line-Voltage Leads
<b>Environmental</b>	<b>Warrantied Operating Temperature</b>	32°F to 140°F (0°C to 60°C)
	<b>Relative Humidity</b>	Up to 90%, Non-Condensing
	<b>Standards/ Ratings</b>	RoHS

### COVERAGE PATTERNS

- Small motion (e.g. hand movements) detection up to 20 ft (6.10 m), ~625 ft<sup>2</sup>
- Large motion (e.g. walking) detection greater than 36 ft (10.97 m), ~2025 ft<sup>2</sup>
- Wall-to-wall PIR coverage
- Units with -PDT (Passive Dual Technology) option (also called Microphonics) provide overlapping detection of human activity over the complete PIR coverage area. Advanced filtering is utilized to prevent non-occupant noises from keeping the lights on.
- Tested to NEMA WD 7-2011

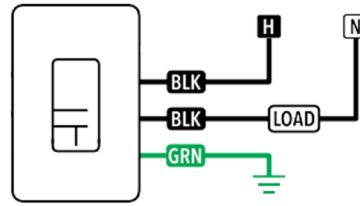


## CONVERTIBLE NEUTRAL



120-277 VAC

## GROUND ONLY



### NOTES:

- Neutral wiring complies with all codes that restrict current over ground leakage.
- For 347 VAC red wires replace black wires

## PRODUCT PAIRING PROCESS

1. Power: Install JOT enabled fixtures and controls as instructed.
2. Pair: Insert the pairing tool into the pinhole on the wall switch; press and hold any button for 6 seconds.
3. Play: Once paired, each fixture will individually dim down to 10% brightness. All products will be fully functional.

## Inhibited Daylighting

The ambient light level at which the sensor prevents the lights from initially turning on is set to 5fc by default. Once on, the lights will remain on until the space becomes un-occupied (occupancy time delay expires and turns them off).



## WARNING

Only use pre-packaged JOT tool to start pairing process.  
**DO NOT INSERT METAL INTO PIN HOLE!**