

OVERVIEW

The WSX Family of wall switch occupancy sensors provides simple and cost effective solutions for commercial and residential lighting control applications. All WSX Family sensors have a stylish low profile appearance, soft-click buttons, and provide small motion detection up to 20 ft (6.10 m), making them perfect for private offices, private rest rooms, closets, copy rooms, or any other small enclosed space. Additionally, all WSX Family sensors have a patent-pending wiring method that enables them to function either with or without a neutral connection. WSX units come pre-configured for wiring without a neutral, however if connection to neutral is required by code, contractors can convert the unit in seconds.

FEATURES

- Compatible w/LEDs, electronic & magnetic ballasts, CFLs, & incandescents
- 100% passive detection, no potential for interference with other building systems
- Small motion detection to 20 ft
- Push-button programmable without removing cover plate - adjustable time delays & operating modes
- Dual technology (PDT) utilizes PIR/Microphonics™ detection (patented)
- Self-grounding mounting strap
- Device accommodates powering over ground or neutral connection (patent pending)
- Ultra low current leakage (<0.5 mA) when connected via ground
- Fully meets NEC 2011 Section 404.2C neutral requirements - no current leakage to ground when connected to neutral
- Line power and load wires are interchangeable - impossible to wire backwards (patented)
- Integrated Photocell (disabled by default) prevents light from turning on if sufficient daylight is present - not available in Nightlight versions
- Vandal resistant lens

Warranty

Five-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

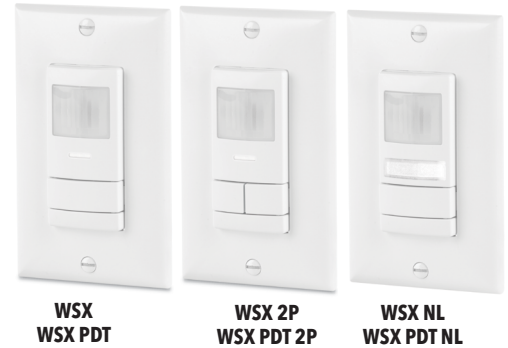
Note: Actual performance may differ as a result of end-user environment and application.

Specifications subject to change without notice.



Sensor Switch™

WSX Family



ORDERING INFORMATION

WSX SINGLE RELAY				Example: WSX PDT WH
Series	Operating Mode ¹	Voltage	Color ⁴	Temp / Humidity
WSX WSX PDT	Passive infrared (PIR) Dual Technology (PIR/ Microphonics™)	[blank] Auto-on (default) or vacancy SA Vacancy (default) or auto-on VA Vacancy only NL ² Nightlight	[blank] 120/277VAC 347 ³ 347VAC WH White AL Lt. Almond IV Ivory BK Black GY Gray RD Red	[blank] Standard LT Low Temp/ High Humidity

WSX DUAL RELAY				Example: WSX 2P NL WH
Series	Operating Mode ¹	Voltage	Color ⁴	Temp / Humidity
WSX 2P WSX PDT 2P	Passive infrared (PIR) Dual Technology (PIR/Microphonics™)	[blank] Pole 1 auto-on Pole 2 vacancy 2SA Both poles vacancy (default) 2VA Both poles vacancy (only) NL ² Nightlight	[blank] 120/277VAC 347 ³ 347VAC WH White AL Lt. Almond IV Ivory BK Black GY Gray RD Red	[blank] Standard LT Low Temp/ High Humidity

Notes:

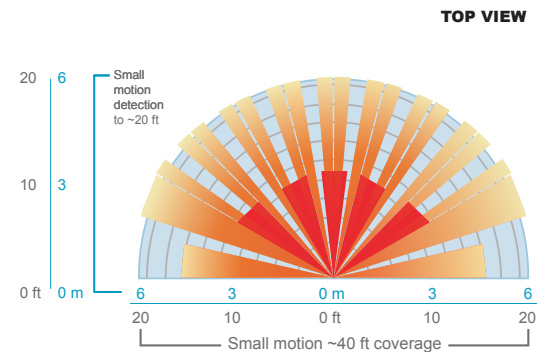
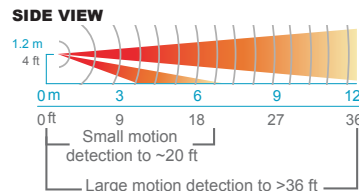
- 1 Operating Modes reprogrammable via push-button except for VA version
- 2 Units factory set to Vacancy (Manual On) Operating Mode
- 3 Wall plates included in white or ivory only for 347 VAC units
- 4 Matching wall plate provided for 120/277 VAC units

SPECIFICATIONS

Size:	2.74"H x 1.68"W x 1.63"D (not including ground strap)
Weight:	5 oz
Mounting:	Single gang switch box
Mounting Height:	30-48 in
Maximum Load/Pole:	(Relay) 800W @ 120VAC, 1200W @ 277VAC, 1500W @ 347VAC
Minimum Load:	None
Motor Load:	1/4 HP
Frequency:	50/60 Hz (timers are 1.2x for 50Hz)
Temperature Rating:	0°C-60°C

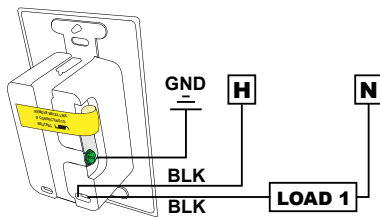
COVERAGE PATTERNS

- Small motion (e.g., hand movements) detection up to 20 ft (6.10 m), ~625 ft²
- Large motion (e.g., walking) detection greater than 36 ft (10.97 m), ~2025 ft²
- Wall-to-Wall coverage
- Passive Dual Technology (Microphonics) provides 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



WIRING TO GROUND (no NEUTRAL)

SINGLE RELAY



WIRE COLOR KEY

120/277 VAC WIRING

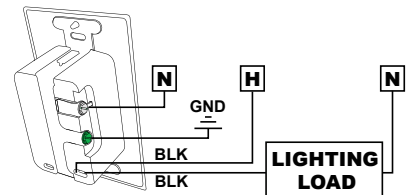
BLACK*	- Line 1 Input	} *BLACK wires can be reversed
BLACK*	- Load 1 Output	
BLUE*	- Line 2 Input	} *BLUE wires can be reversed
BLUE*	- Load 2 Output	

347 VAC WIRING (-347 Option)

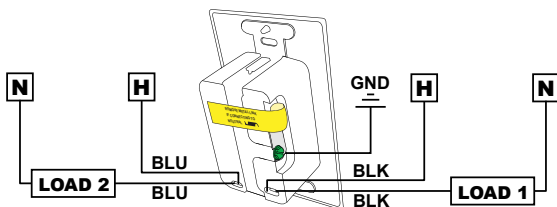
Red wires replace Black wires.

WIRING TO NEUTRAL

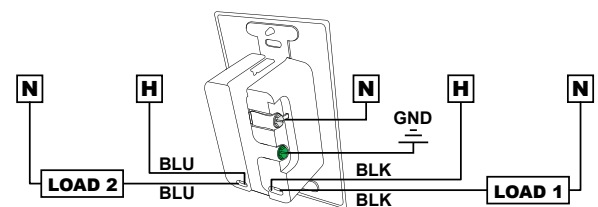
SINGLE RELAY



DUAL RELAY



DUAL RELAY



Notes:

- Unit will draw power from either line connection.
- When switching 277 VAC or 347 VAC on both relays, the line inputs must be of the same phase.

WSX Family (IS-WSX-003)