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.

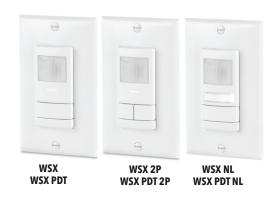
Specifications subject to change without notice.

ORDERING INFORMATION



Sensor Switch.

WSX Family





| WSX SINGLE RELAY Example: WSX PDT W | | | | | | | | | | | | |
|-------------------------------------|---|-----------------------------|--|-----------------------------|----------------------|----------------|------------------------|----|----------------------------|-----------------|-------------------------------------|--|
| | | | | | | | | | | | | |
| Series | | Operating Mode ¹ | | Voltage | | Color⁴ | | | | Temp / Humidity | | |
| WSX WSX PDT | Passive infrared (PIR) Dual Technology (PIR/ Microphonics™) | SA Vac | uto-on (default) or vacancy ocancy (default) or auto-on ocancy only ightlight | [blank] 347 ³ | 120/277VAC 347VAC | WH IV GY | White Ivory Gray | ВК | Lt. Almond Black Red | [blank] LT | Standard 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] 2SA 2VA NL ² | Pole 1 auto-on Pole 2 vacancy Both poles vacancy (default) Both poles vacancy (only) Nightlight | [blank] 347 ³ | 120/277VAC 347VAC | WH IV GY | White Ivory Gray | ВК | Lt. Almond Black Red | [blank] LT | Standard 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

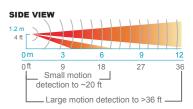
Maximum Load/Pole: (Relay) 800W @ 120VAC, 1200W @ 277VAC, 1500W @ 347VAC

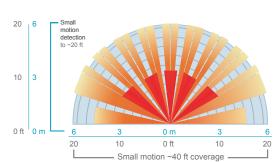
Minimum Load: None Motor Load: 1/4 HP

Frequency: 50/60 Hz (timers are 1.2x for 50Hz)

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.





TOP VIEW

WIRING TO GROUND (no NEUTRAL)

SINGLE RELAY

DUAL RELAY

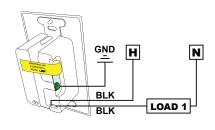
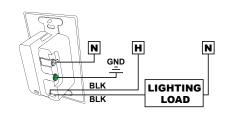


Table 1 State | Table 1 State 2 State

347 VAC WIRING (-347 Option)Red wires replace Black wires.

SINGLE RELAY

WIRING TO NEUTRAL



N

BLK

BLK

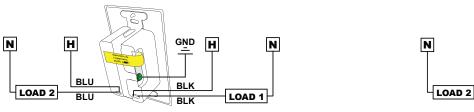
GND

Н

DUAL RELAY

Н

BL



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

LOAD 1

N