Catalog Number:	Date:	Project:

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.

With optional flash programming via the Sensor Switch VLP mobile device application, users can easily change time delay, on mode and photocontrol settings.

FEATURES

- Programmable with Sensor Switch VLP app or traditional push button, refer to ordering information for availability
- 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 accomodates powering over ground or neutral connection (patent pending)
- Ultra low current leakage (<0.5 mA) when connected via ground
- Fully meets NEC 2017 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. 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/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.

AcuityControls™

Sensor Switch™

WSX Family



WSX
WSX PDT
Single Relay

WSX 2P
WSX PDT 2P
Dual Relay

WSX NL
WSX PDT NL
Night Light

Available on the App Store

ANDROID APP ON Google play

VLP

c UL us LISTED

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ORDERING INFORMATION

WSX SINGLE RELAY — **Example: WSX PDT WH**

Series	Operating Mode[1]	Voltage	Visible Light Programming[5]	Color[4]	Temp / Humidity
WSX Passive infrared (PIR)	[blank] Auto-on (default) or vacancy	[blank] 120-277 VAC	[blank] None	WH White	[blank] Standard
WSX PDT Dual Technology (PIR/Microphonics™)	SA Vacancy (default) or auto-on	347[3] 347VAC	VLP Visible Light Programming	IV Ivory	LT Low Temp/ High Humidity
	VA Vacancy only			GY Gray	
	NL[2] Nightlight			AL Almond	
				BK Black	
				RD Red	

WSX DUAL RELAY — **Example: WSX 2P NL WH**

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

Notes:

1. Operating Modes reprogrammable via push-button except for VA version
2. Default set to Manual On, not available with VLP
3. Wall plates included in white or ivory only for 347 VAC units
4. Matching wall plate provided for 120/277 VAC units
5. Available only on WSX PDT Series.

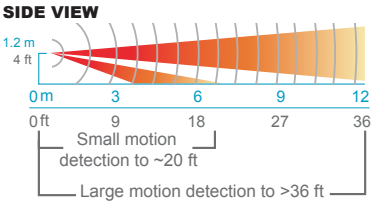
SPECIFICATIONS

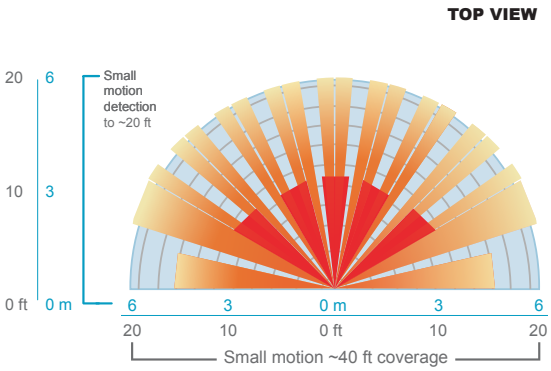
Size:	2.74"H x 1.68"W x 1.63"D (not including ground strap)
Weight:	5 oz
Mounting:	Single gang switch box
Mounting Height:	30-48 in
Maximum Load/Pole:	(Relay) 800W @ 120VAC, 1200W @ 277VAC, 1500W @ 347VAC
Minimum Load:	None
Motor Load:	1/4 HP
Frequency:	50/60 Hz (timers are 1.2x for 50Hz)
Temperature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

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COVERAGE PATTERNS

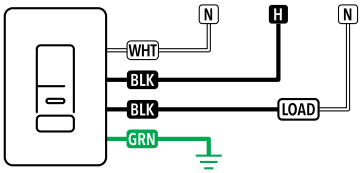
- Small motion (e.g., hand movements) detection up to 20 ft (6.10 m), ~625 ft²
- Large motion (e.g., walking) detection greater than 36 ft (10.97 m), ~2025 ft²
- Wall-to-Wall coverage
- Passive Dual Technology (Microphonics) provides overlapping detection of human activity over the complete PIR coverage area. Advanced filtering is utilized to prevent non-occupant noises from keeping the lights on.
- Tested to NEMA WD 7-2011



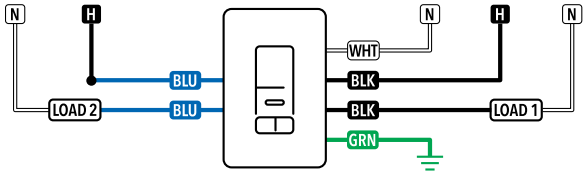


CONVERTIBLE NEUTRAL

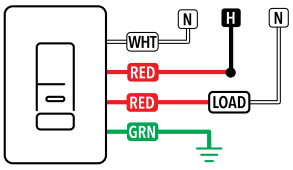
SINGLE RELAY, 120/277 VAC



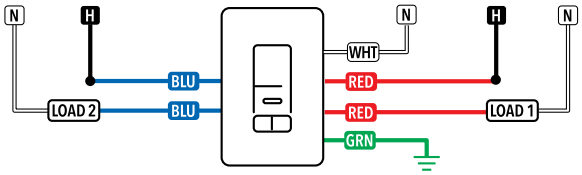
DUAL RELAY, 120/277 VAC



SINGLE RELAY, 347 VAC

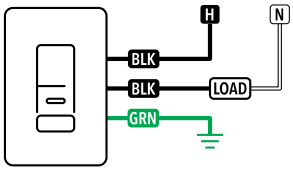


DUAL RELAY, 347 VAC

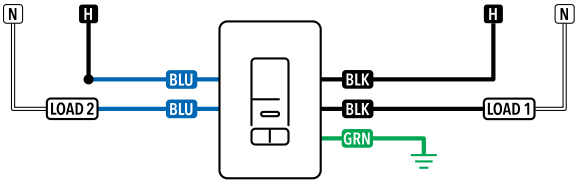


GROUND ONLY

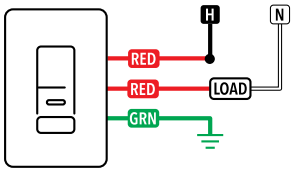
SINGLE RELAY, 120/277 VAC



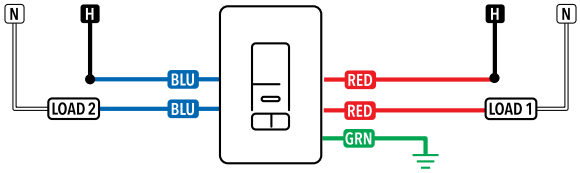
DUAL RELAY, 120/277 VAC



SINGLE RELAY, 347 VAC



DUAL RELAY, 347 VAC



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.
- For dual relay, both relays must be fed from the same circuit.

WSX Family (IS-WSX-003)

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Catalog Number:	Date:	Project:

OVERVIEW

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WSX Family



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WSX PDT Dual Technology (PIR/Microphonics™)	SA Vacancy (default) or auto-on	347[3] 347VAC	VLP Visible Light Programming	IV Ivory	LT Low Temp/ High Humidity
	VA Vacancy only			GY Gray	
	NL[2] Nightlight			AL Almond	
				BK Black	
				RD Red	

WSX DUAL RELAY — **Example: WSX 2P NL WH**

Series	Operating Mode[1]	Voltage	Color[4]	Temp / Humidity
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WSX PDT 2P Dual Technology (PIR/Microphonics™)	2SA Both poles vacancy (default)	347[3] 347VAC	IV Ivory BK Black	LT Low Temp/ High Humidity
	2VA Both poles vacancy (only)		GY Gray RD Red	
	NL[2] Nightlight			

Notes:

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2. Default set to Manual On, not available with VLP
3. Wall plates included in white or ivory only for 347 VAC units
4. Matching wall plate provided for 120/277 VAC units
5. Available only on WSX PDT Series.

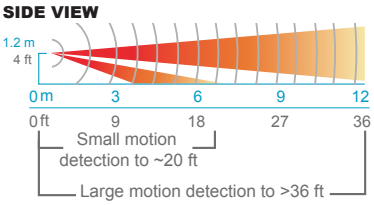
SPECIFICATIONS

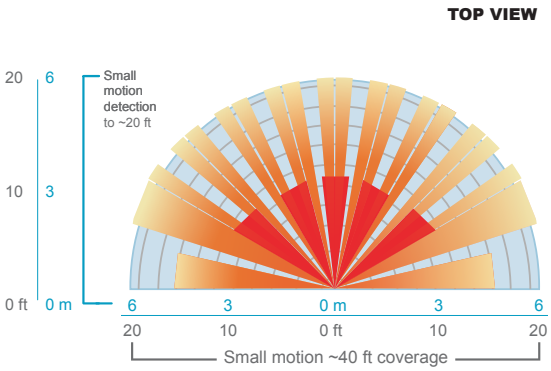
Size:	2.74"H x 1.68"W x 1.63"D (not including ground strap)
Weight:	5 oz
Mounting:	Single gang switch box
Mounting Height:	30-48 in
Maximum Load/Pole:	(Relay) 800W @ 120VAC, 1200W @ 277VAC, 1500W @ 347VAC
Minimum Load:	None
Motor Load:	1/4 HP
Frequency:	50/60 Hz (timers are 1.2x for 50Hz)
Temperature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

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COVERAGE PATTERNS

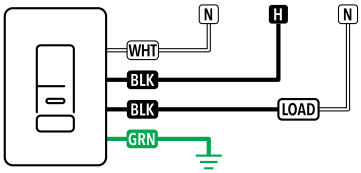
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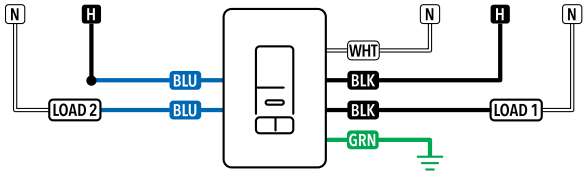


CONVERTIBLE NEUTRAL

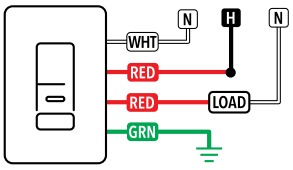
SINGLE RELAY, 120/277 VAC



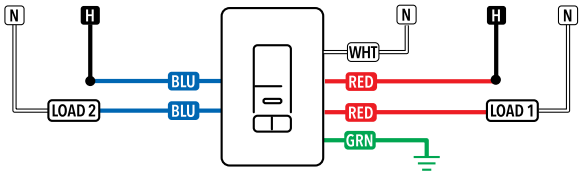
DUAL RELAY, 120/277 VAC



SINGLE RELAY, 347 VAC

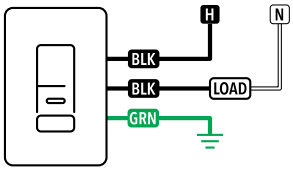


DUAL RELAY, 347 VAC

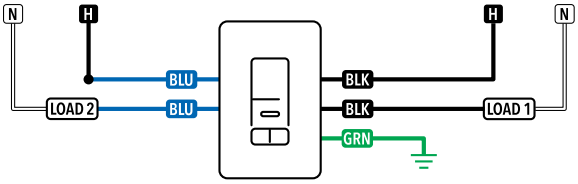


GROUND ONLY

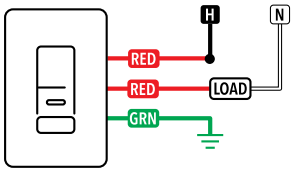
SINGLE RELAY, 120/277 VAC



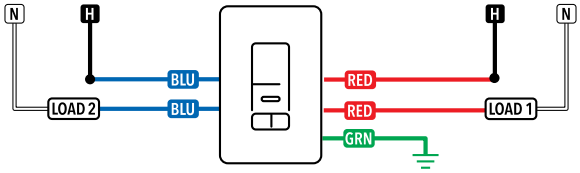
DUAL RELAY, 120/277 VAC



SINGLE RELAY, 347 VAC



DUAL RELAY, 347 VAC



Notes:

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WSX Family (IS-WSX-003)

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