

sensorswitch WSXA Occupancy Motion Sensor Switch User Guide

Home » sensorswitch » sensorswitch WSXA Occupancy Motion Sensor Switch User Guide





Quick Recommendation Guide

Contents

- 1 Typical Applications
- 2 Wiring Diagrams
- 3 Documents /

Resources

- 3.1 References
- **4 Related Posts**

Typical Applications







 $\begin{array}{c} \textbf{Occ Sensor with Dimming} \\ \textbf{WSXAD} \end{array}$

Wall Switch with Dimming SPODMRAD



CM

WSXA





Private Offices (Typical Energy Savings: 30% – 50%) Up to 15'x15' Without Obstr WSXA** / WSXA D** Sensor must have visibility to desktop activity uctions Small rooms without direct line of sight (also requir Up to 15'x15' With Obstruct WSXA PDT** / ed if occupant WSXA PDT D** ions has back to sensor) Up to 20'x20' CM PDT 9* Place within visual sight of main entry door WSXA PDT D** or LED dimming control with or without motion senso 0-10V Dimming SPODMRA D** **Conference Rooms** (Typical Energy Savings: 30% - 50%) † WSXA PDT** / Up to 15'x15' Sensor will detect both motion and sound WSXA PDT D** Up to 20'x20' CM PDT 9* Place within visual sight of main entry door Up to 30'x30' **WV PDT 16*** Place sensor in corner along entrance wall **Classrooms** (Typical Energy Savings: 40% – 60%) † **WV PDT 16*** Up to 30'x30' Place sensor in corner along entrance wall Multiple WV PDT 16* or CM Greater than 30'x30' Place sensors in opposite corners PDT 10* **Open Office Areas** (Typical Energy Savings: 20% -40%) † Place sensors on 25' - 30' centers and cover all e 8'-10' Mounting Height Multiple CM PDT 9* ntrances

Restrooms		(Typical Energy Savings: 50% – 80%) †
Private	WSXA **	For rooms without obstructions
Private with Fan	WSXA 2P: FAN	No obstructions, relay 1 controls lights, relay 2 is f or fan
Up to 4 Stalls	WSXA PDT**	For rooms with obstructions
4 to 7 Stalls	CM PDT 9*	Place within visual sight of the main entry door
More than 7 Stalls	Multiple CM PDT 9*	Contact your Acuity Sales Representative for assi stance
Corridors		(Typical Energy Savings: 20% – 60%) †
9' Mounting Height	CM 10*	Place sensors 50' on center
12' Mounting Height	CM 10*	Place sensors 60' on center
Gymnasiums		(Typical Energy Savings: 20% – 50%) †
25' Mounting Height	LSXR 6	Place sensors on 40' centers and cover all entranc es
Warehouses		(Typical Energy Savings: 20% – 50%) †
360°, 15′ – 45′ Mounting H eight	LSXR 6	1 sensor per fixture
Aisle Control	LSXR 50	Coverage spans multiple fixtures

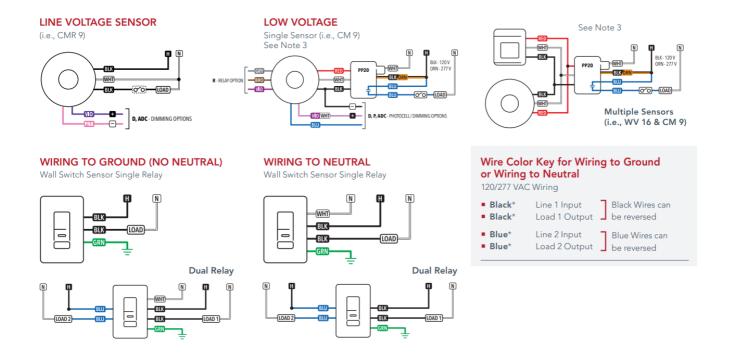


Wiring Diagrams

^{*} Requires power pack(s).† Results typical; actual savings may differ.

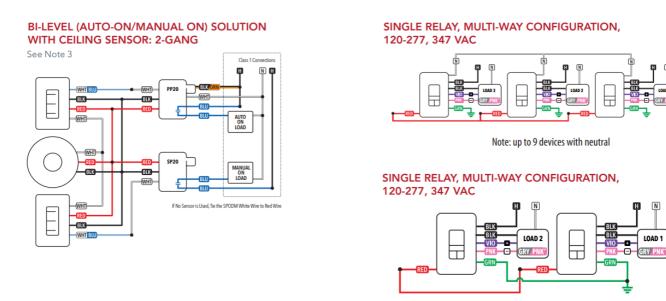
**Multi-way (3-way) configurations are available – look for "MWO" on the spec sheet!

***For 347 VAC applications, please add 347 to product nomenclature



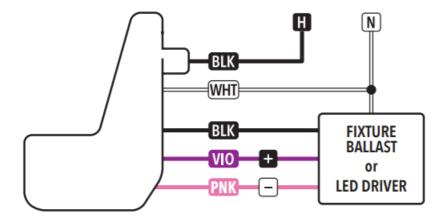
Notes:

- 1. Unit will draw power from either line connection.
- 2. When switching loads on both relays (2P version), the line inputs must be on the same phase.
- 3. Substitute PP20 with PP16X for 347 VAC applications



Note: up to 2 devices without a neutral (neutral-less)

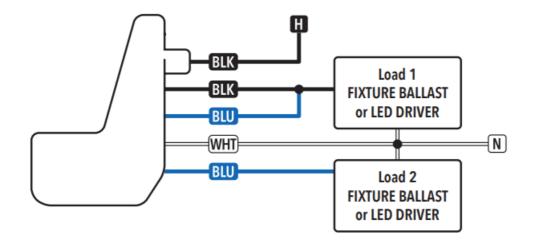
LINE VOLTAGE - SINGLE RELAY (I.E., LSXR XX)



Notes

- 1. Black wires can be reversed
- 2. Wire is red for HVOLT version (required for 347 VAC)
- 3. Disconnect and cap black output wire going to driver/ballast if switching fixture is not required.

LINE VOLTAGE – DUAL RELAY (I.E., LSXR XX 2P)



Notes

- 1. Black wires can be reversed.
- 2. Blue wires can be reversed.
- 3. Wire is red 347 VAC version.
- 4. Red wires can be reversed.



One Lithonia Way Conyers, Georgia 30012 800.705.SERV (7378)

www.acuitybrands.com

©2017-2020, 2023 Acuity Brands Lighting, Inc. All rights reserved. | SSI_5989_0223

Documents / Resources



sensorswitch WSXA Occupancy Motion Sensor Switch [pdf] User Guide WSXA, WSXA D, WSXA PDT, WSXA PDT D, CM PDT 9, CM PDT 10, WV PDT 16, SPODMRA D, SPODMRD, LSXR 6, LSXR 50, WSXA Occupancy Motion Sensor Switch, Occupancy Motion Sensor Switch

References

- Management Solutions Acuity Brands | Lighting, Controls, and Building Management Solutions
- SensorSwitch | Lighting Controls
- SensorSwitch VLP Mobile App | Sensor Programming

Manuals+,