

OVERVIEW

Acuity Controls is excited to announce the addition of the WSX D to the Sensor Switch® product family. This elegant wall switch combines 0-10V dimming, dual technology occupancy sensing and automatic dimming photocontrol capabilities into a single device. A perfect solution in spaces where multiple energy saving strategies are required.

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 f t (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.

Saves Energy

- 0 - 10V Dimming
- Occupancy Sensing
- Integrated Photocontrol
- eLdoLED Compatibility for Advanced Dimming Control

Reliable Performance

- Digital Passive Infrared Detection
- Passive Dual Technology (PDT) with Microphonics
- Adaptive Daylight Harvesting (ADH)

Easy Installation

- Miswire Protection
- Convertible Neutral to Ground Wiring
- Compatible with Acuity Brands Luminaires

Multiple Energy Saving Strategies with One Device

Energy codes are constantly evolving and require increased level of controls. The WSX D aids in the compliance of national and local state energy codes with a stylish cost-effective solution. The WSX D can now do what used to take 3 devices to accomplish!

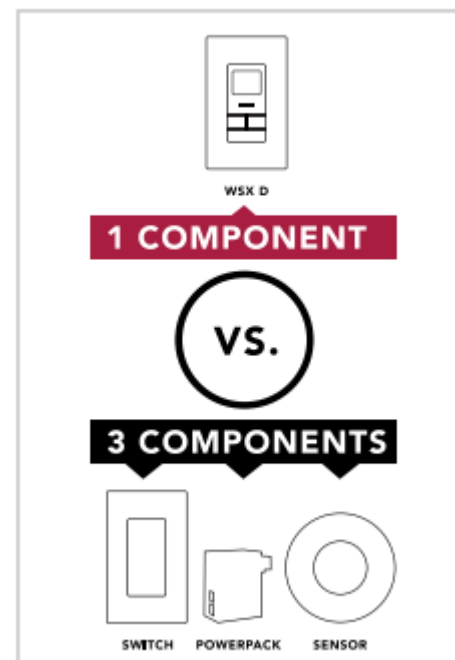
- 0-10V Dimming
- Occupancy Sensing
- Integrated Photocontrol

Sensor Switch™

WSX D Dimming Occupancy Wall Switch



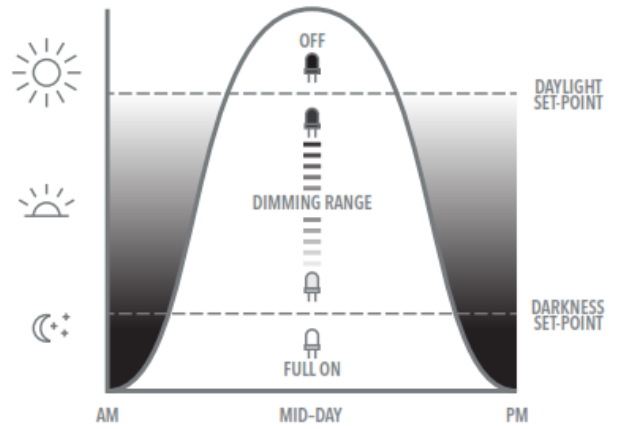
**WSX* Featuring 0-10V Dimming,
Occupancy Sensing and Photocontrol.**



Adaptive Daylight Harvesting (ADH)

With Sensor Switch's Adaptive Daylight Harvesting (ADH), Automatic Dimming has never been more reliable - even in a wall switch. It works by establishing two set-points; daylight and darkness.

- Dynamically dims the luminaire to maintain the desired light level in the space as daylight levels change during the course of the day
- Uses an adaptive algorithm with slow fades so abrupt lighting changes do not occur
- Allows the combination of multiple energy saving strategies, required by progressive energy codes, in a single device



SPECIFICATIONS

Size: 2.74" H x 1.68" W x 1.63" D (6.96 cm x 4.27 cm x 4.14 cm)
(not including ground strap)

Weight: 5 oz

Mounting: Single Gang Switch Box

Mounting Height: 30-48 in (76.2-121.9 cm)

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

Minimum Load: None

Motor Load: 1/4 HP

Max Sink Current: 50 mA

0-10V Dim Min Output: <0.3 V

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

Temperature Rating: 0°C-60°C

ROHS Compliant

Warranty

5-year limited warranty.

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

AcuityControls

Sensor Switch™

ORDERING INFORMATION

WSX D

Example: WSX PDTD 347 WH 8H

Series	Detection Mode	eldoLED	Dimming	Operating Mode
WSX Wall Switch Occupancy Sensor	[blank] Passive Infrared (PIR) PDT Dual Technology	[blank] None EZ ¹ eldoLED Driver Compatibility	D Dimming	[blank] Automatic On SA Manual On VA Vacancy

Voltage	Color ³	Max Dim Level ⁵	Min Dim Level ⁵
[blank] 120/277 VAC 347 ² 347 VAC	WH White IV Ivory GY Gray AL Almond BK Black RD ⁴ Red	[blank] 10 VDC 9H 9 VDC 8H 8 VDC 7H 7 VDC	[blank] 0 VDC 4V 4 VDC 1V 1 VDC 2V 2 VDC 3V 3 VDC 5V 5 VDC 6V 6 VDC

NOTES:

1. Max Dim Level default set to 9.1VDC. Min Dim Level default set to 1.5VDC
2. Wall plated included for white or ivory only for 347 VAC units
3. Matching wall plate provided for 120/277 VAC units
4. Special order
5. For setting other than default, minimum order quantity of 30 units