

OVERVIEW

The **LWS(H) PDT** Series Large Area Wall Switch provides line of sight PIR detection of small movements up to 40 ft (12.19 m) away as well as Microphonics™ for detection around obstructions. The **LWS PDT** version is designed for standard switch height mounting of 3 to 4 feet and has a single level view pattern that extends wall to wall. The **LWSH PDT** version is designed for switches mounted at 4 to 7 feet and has a 3 level view pattern that spans 120 degrees wide.

Large Area Wall Switch sensors are ideal products to use when retrofitting classrooms, storage centers, or spaces where obstructions exist and low voltage systems are cost prohibitive. These sensors are available in a single or 2-pole version, with or without a Photocell, and in two colors (Ivory and White). The **LWS(H) PDT** sensor surface mounts making it ideal for retrofits in older facilities, and can control up to 13 Amps each pole.

FEATURES

- 100% Digital PIR Detection, Excellent RF Immunity
- Patented Dual Technology with PIR/Microphonics™ Detection
- Single and 2-Pole Versions
- Relay Contact Protection
- Interchangeable Hot & Load Wires - Impossible to Wire Backwards
- No Neutral Required / No Minimum Load
- Small Motion Detection to 40 ft (12.19 m)
- Compatible w/ LEDs, Electronic & Magnetic Ballasts, CFLs, & Incandescents
- Adjustable Time Delay
- LampMaximizer® Minimum On Time (disabled by default)
- Push-Button Programmable
- Non-Volatile Settings Memory

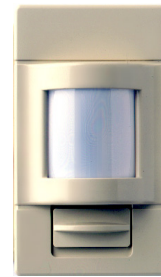
SPECIFICATIONS

Size:	4.96" H x 3.10" W x 1.70" D (12.60 cm x 7.87 cm x 4.32 cm)
Weight:	7 oz
Mounting:	Single Gang Switch Box
Mounting Height:	LWS-PDT Series: 30 to 48 in LWSH-PDT Series: 48 to 84 in
Colors:	White, Ivory
Operating Voltage:	120/277, 347 VAC
Maximum Load:	13 Amps / Pole (347 VAC must be same phase)
Motor Load:	1/4 HP
Frequency:	50/60 Hz
Max Pulsing Current:	4 Amps
ROHS Compliant	

AcuityControls™

Sensor Switch™

LWS (H) PDT
LWS (H) PDT (2P)
*Large Area Wall Switch
 Sensor*



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

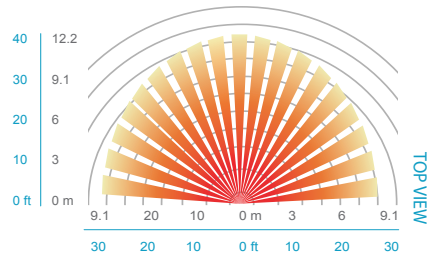
LWS (H) PDT		Example: LWS (H) P WH
Poles	Voltage	Color
[blank] 1 Pole	[blank] 120/277 VAC	WH White
2P 2 Poles	347 347 VAC	IV Ivory

COVERAGE PATTERNS

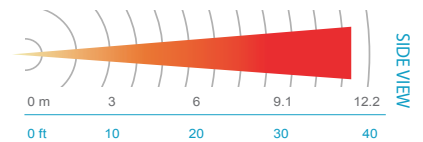
LARGE AREA WALL SWITCH LENS

W/ MICROPHONICS™

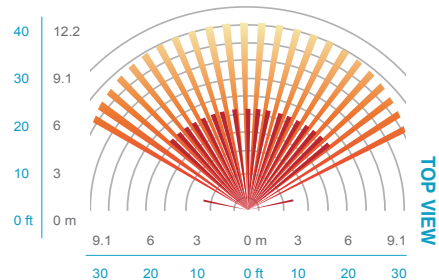
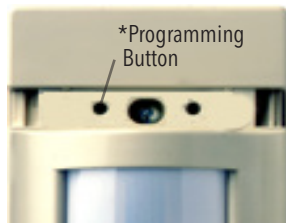
- Small motion (e.g. hand movements) detection up to 40 ft (12.19 m)
- Microphonics™ provides overlapping detection of human activity over the complete PIR coverage area
- Advanced filtering is utilized to prevent non-occupant noises from keeping the lights on



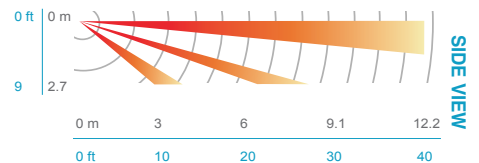
LWS-PDT



- Pull up the top of the LWS(H) PDT to expose the programming button*.
- Use the enclosed tool to program.
- Refer to Instruction Card IC16.001 for default settings and directions on programming the sensor via the button.



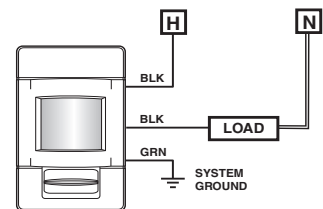
LWSH-PDT



WIRING (DO NOT WIRE HOT)

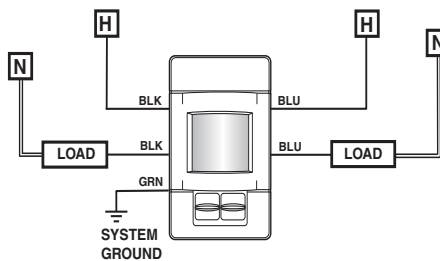
BLACK* - Line Input 1
BLACK* - Load Output 1
BLUE* - Line Input 2
BLUE* - Load Output 2
GREEN - Ground (required)

Single Pole



*BLACK wires can be reversed

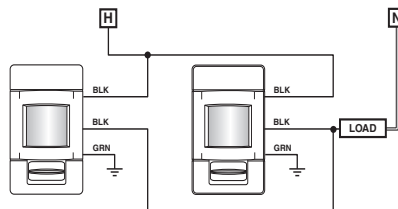
2-Pole



*BLACK wires can be reversed
*BLUE wires can be reversed

347 VAC OPTION (347)
Black wires are replaced w/ Red wires

3-Way Switch Retrofit Configuration



Existing travelers are used to wire sensors in parallel.

OPTIONAL WALL PLATES

The **WS BPX** plate comes with the 2-pole models. Others can be ordered separately.



WS SPX 1/W



WS SPX3 I/W



WS BPX 1/W



WS BPX3 I/W

WARNING **Fire Hazard Caution:** Maximum Lamps 1500 Watts, Type 347 VAC.
Attention: Risque d'incendie : Puissance Maximales Des Lampes 1500 Watts, Type 347 VAC.
Warning: The units are intended to be installed by a qualified person with properly rated branch circuit protectors as per applicable local and national regulations (CEC, NEC).

LWS (H) PDT
LWS (H) PDT (2P)
(TS-LWS-004A)