

## OVERVIEW

The **LWS(H)** Series Large Area Wall Switch sensor uses Passive Infrared for detecting small motions up to 40 ft (12.19 m) away. The **LWS** 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** version is designed for switches mounted at 4 to 7 feet and has a 3 level view pattern that spans 120 degrees wide.

## FEATURES

- 100% Digital PIR Detection, Excellent RF Immunity
- 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:              | 4.93"H x 3.10"W x 1.70"D |
| Weight:            | 7 oz                     |
| Mounting:          | Single Gang Switch Box   |
| Mounting Height:   | 48 to 84 in              |
| Operating Voltage: | 120/277, 347 VAC         |
| Maximum Load:      | 13 Amps/Pole             |
| Motor Load:        | 1/4 HP                   |
| Frequency:         | 50/60 Hz                 |

ROHS Compliant

## Warranty

Five-year limited warranty. Complete warranty terms located at:

[www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://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™*

**LWS(H)**  
Large Area Wall Switch Sensor



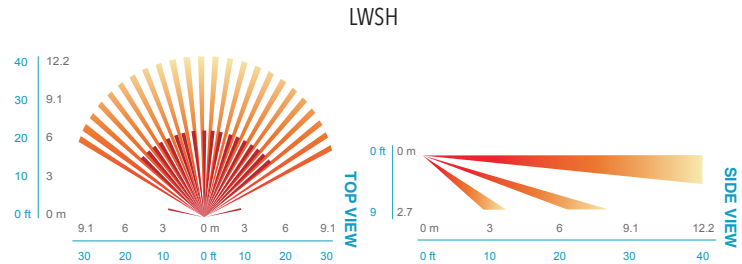
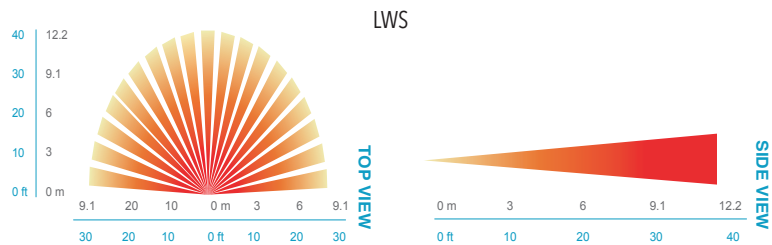
## ORDERING INFORMATION

| LWS(H)                   |                |                    |          | Example: LWS WH |  |
|--------------------------|----------------|--------------------|----------|-----------------|--|
| Series                   | Poles          | Voltage            | Color    |                 |  |
| LWS 30-48 inch mounting  | [blank] 1 Pole | [blank] 120/277VAC | WH White |                 |  |
| LWSH 48-84 inch mounting | 2P 2 Pole      | 347 347VAC         | IV Ivory |                 |  |

## COVERAGE PATTERNS

### LARGE AREA WALL SWITCH LENS

- Small motion (e.g. hand movements) detection up to 40 ft (12.19 m)
- Wall-to-Wall coverage
- LWS - 30 to 48 in (76.20 to 121.92 cm) high mounting
- LWSH - 48 to 84 in (121.92 to 213.36 cm) high mounting



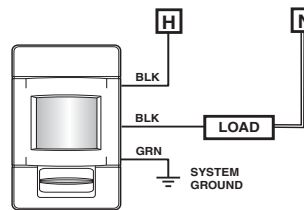
## WIRING (DO NOT WIRE HOT)

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

347 VAC OPTION (347)

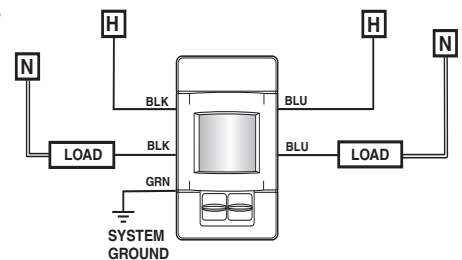
Black wires are replaced w/ Red wires

Single Pole



\*BLACK wires can be reversed

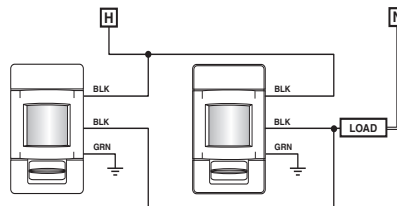
2-Pole



\*BLACK wires can be reversed

\*BLUE wires can be reversed

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 I/W



WS SPX3 I/W



WS BPX I/W



WS BPX3 I/W

LWS(H) - T157