

# LightHAWK<sup>®</sup>2 Dimming Wall Switch Sensor

WALL SWITCH OCCUPANCY SENSORS

TITLE  
24  
COMPLIANCE



LISTED

Light  
HAWK<sup>®</sup>2



LHD-IRS

## PROJECT INFORMATION

Project Name

Catalog No.

Date

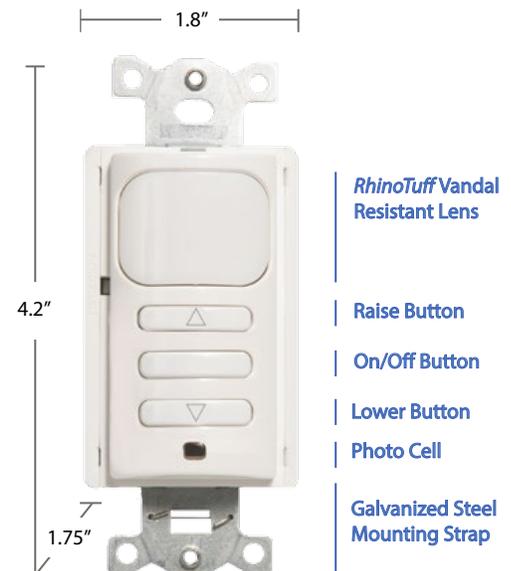
The *LightHAWK2* Dimming Wall Switch Sensor combines passive infrared (PIR) technology with the additional energy savings of 0-10V dimming. The user can set the occupied level to a predetermined level or set the sensor to activate to the last-used dimming level. With ON/OFF and Dimming Control, the user can easily adjust the light level for their area. This sensor has a coverage area of up to 1,000 square feet and 180° of detection.

LHIR sensors feature Hubbell Controls' patented IntelliDAPT<sup>®</sup> technology, which makes all the sensor adjustment decisions automatically. Throughout the product's lifespan, smart software analyzes the controlled area and makes digital adjustments to sensitivity and timer settings. Occupancy sensors with *IntelliDAPT* provide a maintenance-free install-and-forget operation. With selectable operating modes — automatic ON/OFF or manual ON/automatic OFF, occupancy on to predetermined dimming level go to last dimming setting upon occupancy — and a built-in photosensor for automatic daylight harvesting, LHIRS sensors are the best choice in today's market place.

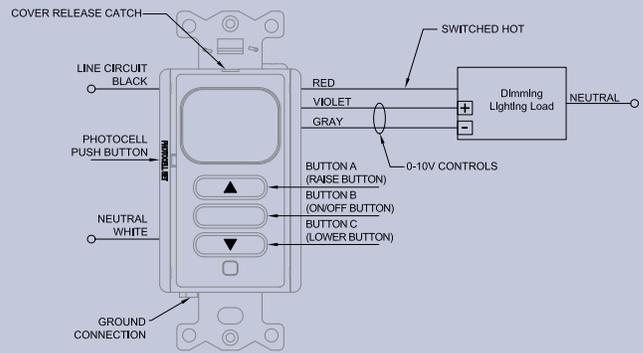
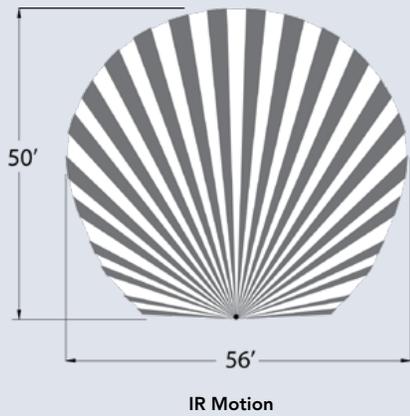
## PRODUCT FEATURES

- Digital passive infrared (PIR) sensor
- *IntelliDAPT* self-adaptive technology—no manual adjustment required
- 1 relay model for single-level switching
- Occupancy (auto-on) and Vacancy (manual-on) operating modes
- 1,000 square-foot, 180° coverage area
- RhinoTuff<sup>™</sup> vandal resistant lens
- 120/277VAC operation
- No minimum load requirement
- Zero Arc Point Switching
- Five-year warranty
- 120-277 Vac and 347 Vac models

Fits Standard  
Decorator Style  
Wallplate  
(sold separately)



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Single Load Wiring

## General Specifications

IntelliDAPT Technology	Self-adjusting timer Self-adjusting passive infrared (PIR) sensitivity Automatic false-on/false-off corrections No manual adjustments required
Time Delay	Auto mode: 4–30 minutes; self-adjusts based on occupancy Fixed mode: 4, 8, 15, and 30 minutes Test mode: 5 seconds
Passive Infrared (PIR)	Dual-element pyrometer and 12-element cylindrical RhinoTuff lens
Dimming	0-10V, Sink up to 30mA
Photocell	Natural light override range: 10–500 foot-candles
Coverage	1,000 square-foot, 180° coverage area
Power Requirements	120/277VAC; 50/60Hz 347VAC; 50/60Hz
Electrical Ratings	120VAC: 800W Electronic Ballast/ LED Driver 1,000W Magnetic Ballast 1/6 HP Motor 277VAC: 1,800W Magnetic Ballast /Electronic Ballast/ LED Driver; 1/6 HP Motor 347VAC: 1,500W Magnetic Ballast /Electronic Ballast/ LED Driver 1/6 HP Motor
Operating Environment	Indoor use only Operating temperature: 32° to 104°F (0° to 40°C) Relative humidity (non-condensing): 0% to 95%
Construction	Casing—high-impact injection-molded plastic (UL-94-5V) Impact-resistant lens Color-coded leads are 6" long Wrap-around galvanized steel mounting strap
Dimensions	4.2" x 1.8" x 1.75"; .37" extension
Weight	2.9 oz
Color	White; Ivory; Light Almond; Gray; Black
Mounting	Single-gang NEMA-style switch box (standard switch box) Decorator-style wall plate sold separately
Certifications	Listed UL, cUL
Warranty	Five-year limited

## Ordering Information

MODEL	BUTTONS	WIRING	COLOR	MODE
LHD-IRS	3	N Neutral (120/277V) N347 Neutral (347V)	WH White IV Ivory LA Light Almond GY Gray BK Black	Blank Switchable Vacancy or Occupancy Mode M Vacancy Mode Only



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